

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

A281-3449
m343



5

United States
Department of
Agriculture

Marketing and
Regulatory
Programs

Agricultural
Marketing
Service

Dairy Programs

FMOS-430

Federal Milk Order Market Statistics for January and February 1999

Featured Articles:

How Federal Milk Order Market
Statistics are Developed and
What They Mean

Fluid Milk Sales by Size and Type
of Container and by Method of
Distribution



1999-01-01
1999-02-01
1999-03-01
1999-04-01
1999-05-01
1999-06-01
1999-07-01
1999-08-01
1999-09-01
1999-10-01
1999-11-01
1999-12-01

CONTENTS

	Page No.
Summary.....	4
Table 1: Federal order fluid (Class I) differentials, March 1999 and minimum Federal order Class I prices, March and April, 1999 and 1998.....	9
Table 2: Federal milk order class and blend prices and butterfat differentials, January, with comparisons.....	10
Table 3: Federal milk order class and blend prices and butterfat differentials, February, with comparisons.....	12
Table 4: Average Federal milk order Class I and blend prices, by marketing area, January-February, with comparisons.....	14
Table 5: Number of producers delivering milk to handlers regulated under Federal orders, total producer deliveries, butterfat content of producer deliveries, and average daily delivery per producer, by marketing area, January.....	16
Table 6: Number of producers delivering milk to handlers regulated under Federal orders, total producer deliveries, butterfat content of producer deliveries, and average daily delivery per producer, by marketing area, February.....	18
Table 7: Producer deliveries of milk used in Class I and gross Class I use by handlers regulated under Federal orders, by marketing area, January, with comparisons.....	20
Table 8: Producer deliveries of milk used in Class I and gross Class I use by handlers regulated under Federal orders, by marketing area, February, with comparisons.....	22
Table 9: Producer deliveries of milk used in Class II by handlers regulated under Federal orders, by marketing area, January and year to date.....	24
Table 10: Producer deliveries of milk used in Class II by handlers regulated under Federal orders, by marketing area, February and year to date.....	26
Table 11: Total producer deliveries of milk and producer deliveries used in Class I by handlers regulated under Federal orders, by marketing area, January-February, with comparisons.....	28

Table 12: Whole milk and fat-reduced milk products sold in marketing areas defined by Federal milk orders, for markets where such information is available, December 1998, with comparisons.....	30
Table 13: Whole milk and fat-reduced milk products sold in marketing areas defined by Federal milk orders, for markets where such information is available, 1998 and 1997 annual totals...	32
Table 14: Whole milk and fat-reduced milk products sold in marketing areas defined by Federal milk orders, for markets where such information is available, January 1998 with comparisons.....	34
Table 15: Packaged sales of individual whole milk products, and fat-reduced milk products in selected marketing areas defined by Federal milk orders, January 1998 to date, with comparisons.....	36
Table 16: Packaged sales of individual whole milk products, and fat-reduced milk products in selected marketing areas defined by Federal milk orders, January 1999 to date, with comparisons.....	38
Table 17: Packaged sales of whole milk products, fat-reduced milk products, milk and cream mixtures, cream products, and total fluid products by handlers regulated under Federal milk orders, grouped by region, December 1998, with comparisons....	39
Table 18: Packaged sales of whole milk products, fat-reduced milk products, milk and cream mixtures, cream products, and total fluid products by handlers regulated under Federal milk orders, grouped by region, January 1999, with comparisons....	40
Table 19: Packaged sales of milk and cream mixtures, cream products, yogurt, and eggnog by handlers regulated under Federal milk orders, January 1998 to date, with comparisons.....	41
Table 20: Milk, skim milk, and cream utilized in the manufacture of dairy products by handlers regulated under Federal milk orders, grouped by region, December 1998, with comparisons...	43
Table 21: Milk, skim milk, and cream utilized in the manufacture of dairy products by handlers regulated under Federal milk orders, grouped by region, January 1999, with comparisons.....	44
Table 22: Percentage of whole milk equivalent (milkfat basis) used in the production of manufactured dairy products, in Federal order markets, January 1999 to date, with comparisons.....	45

Table 23: Federal milk order component prices and tests in various marketing areas, January and February.....	50
Table 24: Factors used in the computation of Class III-A prices in Federal milk order markets, January 1999 to date..	51
Table 25: Producer deliveries used in Class III-A by handlers regulated under Federal orders, by selected Federal milk order marketing areas and region, January 1999 to date.....	52
Table 26: Factors used in the determination of the Basic Formula Price, January 1999 to date.....	53
Table 27: Basic Formula Price and related information, January 1998 to date.....	54
Special article: How Federal Milk Order Market Statistics are Developed and What They Mean.....	55
Special article: Fluid Milk Sales by Size and Type of Container And by Method of Distribution.....	61
Milk marketing area map.....	72
Summary of Federal milk order actions, January 1999.....	73
Summary of Federal milk order actions, February 1999.....	73

Dairy Programs, Washington, DC, May 1999

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, political beliefs, sexual orientation, or marital or familial status. (Not all prohibited bases apply to all programs). Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) Should contact the USDA's TARGET Center at (202) 720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building 14th and Independence Avenue SW. Washington, DC 20250-9410 or call (202) 720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

SUMMARY OF MARKET STATISTICS

For the "price and pool statistics", the term "comparable markets" no longer will be employed. (For a description of "comparable markets", see the special article in this report on Federal milk order terms.) The increased incidences of handlers electing not to associate normally pooled milk with an order simply because of disadvantageous price relationships has significantly affected the comparability of the statistics for many markets. Beginning with the data for January 1999, regional and all-market totals will include all marketing areas for which the data can be released. At this time, the data for the Greater Kansas City and Eastern South Dakota marketing areas will be excluded from market totals because some of the class utilization data is confidential--pertains to the operations of fewer than three firms.

For the January/February 1999 period, 72,749 dairy farmers delivered 18.5 billion pounds of milk to handlers regulated under Federal milk orders. This pooled milk volume was 2.7 percent higher than the same period in 1998. Handlers utilized 40 percent of this milk in Class I, 9 percent in Class II, 43 percent in Class III, and 8 percent in Class III-A. The estimated volume of milk not pooled during this 2-month period due to disadvantageous price relationships was 520 million pounds; 13 marketing areas reported this occurring.

If all the estimated not-pooled milk had been pooled, producer deliveries would have been 1.8 percent above 1998.

The uniform price to producers (blend price) averaged \$16.29 per cwt. during this period, 13.4% higher than the previous year. Class price levels and changes from the previous year were: I, \$19.65, +25.2%; II, \$17.38, +29.3%; III, \$13.34, +2.0%; and III-A, \$12.97, +4.1%. Blend and Class III price levels in February 1999 were significantly lower than the previous month.

This issue contains two special articles. The first, "How Federal Milk Order Market Statistics Are Developed and What They Mean," provides a good primer on the statistical data collected under the Federal milk order program and some of the basic terms used. The second, "Packaged Fluid Milk Sales in Federal Order Markets: By Size and Type of Container and Distribution Method During November 1997," presents the results of a biennial survey of handlers regulated under Federal milk orders. This survey has been conducted regularly since 1963 and is the only comprehensive collection of this type of information.

This publication no longer will contain non-Federal-milk order statistics normally included.

SUMMARY OF PRODUCER DELIVERIES, PRODUCER DELIVERIES USED IN CLASS I, AND PRICES

Year	Number of markets 1/	Average number of producers	Producer deliveries		Average daily deliveries	Producer deliveries used in Class I		Class I utilization percentage	Class I utilization percentage		Prices per hundredweight	
			Total	Percent change 2/		Total	Percent change 2/		Class I	Blend	Class I	Blend
<div><div><div><div><div><div></div><div>Bil. lbs.</div><div>Pounds</div><div>Percent</div><div>-Dollars-</div></div></div><div><div><div></div><div>Bil. lbs.</div><div>Pounds</div><div>Percent</div><div>-Dollars-</div></div></div></div></div></div>												
1995	33	87,882	108.5	0.7	3,384	45.0	0.2	41	14.19	12.78		
1996	32	82,959	104.5	-4.0	3,442	45.5	0.8	44	16.19	14.64		
1997	31	78,425	105.2	1.0	3,676	44.9	-1.0	43	14.36	13.10		
1998	31	72,369	99.2	-5.7	3,755	45.0	0.1	45	16.14	14.92		
Year	Number of mkts. 3/	Number of producers	Producer deliveries		Average daily deliveries	Producer deliveries used in Class I		Class I utilization percentage	Prices per hundredweight			
			Total	Percent change 2/		Total	Percent change 2/		Class I	1999	1998	1999
<div><div><div><div><div><div></div><div>Bil. lbs.</div><div>Pounds</div><div>Percent</div><div>-----Dollars-----</div></div></div><div><div><div></div><div>Bil. lbs.</div><div>Pounds</div><div>Percent</div><div>-----Dollars-----</div></div></div></div></div></div>												
1999	29	73,027	9.6 4/	4.3	311.0	4,259	3.9	-2.0	40	43	19.41	15.54
Jan.												14.26
Feb.	29	72,470	8.9 4/	1.0	318.1	4,390	3.5	-0.5	39	40	19.92	15.87
Mar.												14.47
Apr.												
May												
June												
July												
Aug.												
Sept.												
Oct.												
Nov.												
Dec.												
Year to date 5/	---	72,749	18.5 4/	2.7	314.4	4,322	7.4	-1.3	40	41	19.65	15.70
												16.29
												14.36

^{1/} End-of-year figure. Remaining annual statistics are for all markets in effect during any part of the year. ^{2/} Represents changes over the previous year. Percentages computed from unrounded numbers. Data for 1996 have been adjusted to a 365-day basis before computing percent changes. ^{3/} Excludes Eastern South Dakota and Greater Kansas City. ^{4/} Due to disadvantageous price situations in some markets, handlers elected not to pool an estimated 290 million and 480 million pounds in January 1999 and 1998, respectively, and an estimated 230 million and 180 million pounds in February 1999 and 1998, respectively, that normally would have been pooled under these orders. The total estimated amounts of milk not pooled for this reason are: for 1999, 520 million pounds; and for 1998, 660 million pounds. These price situations occur when the blend price adjusted for location is equal to or less than the Class II, III, or III-A price. In these situations, handlers may elect not to pool milk that normally would have been associated with the order. Handlers also may elect not to pool milk when it is more advantageous to associate the milk with a State milk order or when the Class III price is too high relative to the pricing programs used to pay dairy farmers. ^{5/} Average or total.

SUMMARY OF PACKAGED DISPOSITIONS OF FLUID MILK AND FLUID CREAM ITEMS 1/

Year and month	Number of markets	Whole milk items 2/			Fat-reduced milk items 3/			Milk and cream mixtures			Cream items 4/			Total fluid milk and fluid cream items 5/		
		Dispo- sition	Change g/ Bf.	Percent	Dispo- sition	Change g/ Bf.	Percent	Dispo- sition	Change g/ Bf.	Percent	Dispo- sition	Change g/ Bf.	Percent	Dispo- sition	Change g/ Bf.	Percent
		Mil. lbs.			Mil. lbs.			Mil. lbs.			Mil. lbs.			Mil. lbs.		
1994	38	16,002	-1.4	3.27	28,890	1.8	1.38	674	-1.3	10.6	870	3.0	20.5	47,654	0.8	2.50
1995	33	15,598	-2.5	3.27	29,561	2.3	1.33	695	3.2	10.7	952	9.4	20.0	47,999	0.7	2.49
1996	32	15,695	0.3	3.26	30,119	1.6	1.29	739	6.0	10.8	983	3.0	20.9	48,649	1.2	2.49
1997	31	15,511	-0.9	3.26	30,051	0	1.29	746	1.2	10.9	1,028	4.9	21.3	48,632	0.1	2.50
1998 7/																
Jan.	30	1,118	-5.3	3.26	2,437	-2.1	1.27	39	1.8	11.0	58	1.0	21.2	3,731	-3.2	2.29
Feb.	30	999	-2.5	3.27	2,183	-1.1	1.26	37	0.6	11.2	54	4.5	22.2	3,352	-1.7	2.32
Mar.	30	1,086	-1.9	3.26	2,376	0.3	1.26	45	5.1	11.7	65	2.5	21.2	3,667	-0.3	2.35
Apr.	30	1,040	-3.7	3.26	2,249	-3.3	1.26	42	5.5	11.1	65	10.2	22.0	3,482	-3.1	2.38
May	30	1,051	-5.9	3.27	2,259	-4.7	1.25	42	-6.4	11.1	66	1.4	22.1	3,504	-4.5	2.39
June	30	1,063	2.2	3.27	2,108	2.1	1.27	43	6.9	11.6	70	10.1	21.5	3,375	2.3	2.46
July	30	1,113	2.4	3.26	2,173	1.3	1.28	42	1.8	11.1	68	5.1	22.1	3,486	1.5	2.45
Aug.	30	1,110	0.6	3.26	2,254	0.3	1.28	41	1.9	11.1	65	3.7	21.7	3,560	0.3	2.39
Sept.	30	1,091	0.3	3.26	2,340	-1.0	1.26	40	-4.6	11.1	63	3.4	21.6	3,624	-0.8	2.34
Oct.	30	1,145	1.7	3.26	2,458	0.7	1.27	42	-2.8	11.0	67	3.0	21.9	3,803	1.0	2.36
Nov.	30	1,071	1.6	3.26	2,276	0.5	1.27	45	0.1	11.2	75	1.7	22.1	3,582	1.2	2.48
Dec.	30	1,139	1.8	3.27	2,344	0	1.28	45	-9.8	11.6	80	3.8	21.4	3,725	0.3	2.54
Year to date	----	13,025	-0.8	3.26	27,458	-0.6	1.27	503	-0.3	11.2	798	4.2	21.7	42,890	-0.6	2.39

1/ Total packaged disposition, in and out of the marketing area, by regulated handlers. Besides receipts from producers, these dispositions also may include receipts from other Federal order plants and/or receipts from other sources. Sour cream, yogurt, and eggnog are reported on a used-to-produce basis.

2/ Plain, flavored, and miscellaneous whole milk products.

3/ Plain, solids added, flavored, and miscellaneous fat-reduced milk products, and buttermilk.

4/ Light, heavy, and sour cream and cream dips.

5/ In addition to listed fluid milk and cream products, includes eggnog and yogurt.

6/ Represents changes over the previous year. Percentages are based on the data for all markets combined. Data for 1996 are adjusted to a 365-day basis before computing percent changes.

7/ Represents the data for all Federal milk order markets, except for New York-New Jersey. For percent changes based on comparable markets, see tables 17 and 18.

SUMMARY OF MILK, SKIM MILK, AND CREAM UTILIZED IN MANUFACTURED PRODUCTS 1/2/

Year and month	Num-ber of mths.	Butter			Cheese			Frozen desserts			Nonfat dry milk			Total 3/	
		Total	Percent		Total	Percent		Total	Percent		Total	Percent		Total	Percent
			Change 4/	Bf.		Change 4/	Bf.		Change 4/	Bf.		Change 4/	Bf.		Change 4/
		Mil. lbs.			Mil. lbs.			Mil. lbs.			Mil. lbs.			Mil. lbs.	
1994	38	1,503	6.7	37.7	38,058	6.7	3.86	5,208	1.9	9.1	8,066	31.6	0.18	62,399	5.8
1995	33	1,611	4.8	36.8	38,795	2.6	3.89	5,143	-0.6	9.2	8,442	4.7	0.13	62,979	0.7
1996	32	1,497	-6.6	37.1	37,222	-2.7	3.95	5,050	-1.4	9.2	6,218	-26.6	0.10	58,046	-4.4
1997	31	1,407	-8.1	36.2	36,802	-1.3	3.93	5,446	4.9	8.9	6,166	-0.6	0.08	58,254	-1.1
1998 5/															
Jan.	30	143	-7.0	38.2	3,045	-3.2	4.00	350	-1.8	10.1	514	12.1	0.10	4,626	-3.1
Feb.	30	136	-0.8	36.4	3,101	82.4	3.90	369	1.0	9.5	558	-1.0	0.06	4,680	33.8
Mar.	30	132	9.7	39.0	3,455	13.9	3.92	458	7.0	9.2	638	12.1	0.06	5,251	10.7
Apr.	30	129	-5.0	38.4	3,495	-2.2	3.81	472	8.0	9.2	718	1.2	0.07	5,400	-0.6
May	30	105	-7.3	39.3	3,840	-0.2	3.70	490	-5.8	8.7	613	-18.5	0.09	5,632	-2.3
June	30	64	-25.8	37.0	1,630	-52.2	3.94	575	0.1	8.0	393	-35.4	0.11	3,215	-34.5
July	30	70	-9.6	34.2	989	-67.6	4.01	568	-3.5	7.9	278	-32.8	0.11	2,435	-41.8
Aug	30	75	0.9	35.3	992	-40.3	3.89	502	-4.1	8.1	210	-43.5	0.13	2,315	-18.4
Sept.	30	84	3.5	37.6	2,621	89.2	3.78	427	-6.0	8.3	198	-24.9	0.20	3,861	34.8
Oct.	30	101	14.2	38.6	1,707	-28.5	4.03	392	-9.2	8.7	205	-10.1	0.20	2,948	-14.2
Nov.	30	110	11.6	38.5	1,109	-57.6	4.39	320	-5.3	8.9	295	18.3	0.22	2,356	-31.6
Dec.	30	134	-1.3	36.9	1,265	-53.1	4.37	315	0.8	9.4	587	15.8	0.10	2,869	-29.0
Year to date	---	1,284	-1.4	37.7	27,247	-17.4	3.92	5,237	-1.5	8.7	5,206	-10.6	0.10	45,586	-9.6

1/ Includes producer milk and other source milk used to produce manufactured dairy products in regulated pool plants as well as milk diverted and shipped to non-order plants for processing. Other source milk at regulated plants includes bulk transfers and diversions from other Federal orders, and receipts from unregulated sources. Some of the data are preliminary and partially estimated.

2/ Due to disadvantageous price situations and/or qualification circumstances in some markets in 1993-1997 and 1998, handlers elected not to pool significant volumes of milk that normally would have been pooled under Federal milk orders. Because this milk would have been classified as Class III and Class III-A under the orders, utilization in butter, cheese, and nonfat dry milk production for these years was affected.

3/ In addition to listed manufactured products, includes milk, skim milk, and cream used in other manufactured dairy products: e.g. cottage cheese, evaporated milk, condensed milk, dried products, and aerated cream; and milk, skim milk, and cream used in other food and non-food products. The total also includes dumped or spilled milk and plant loss.

4/ Represents changes over the previous year. Percentages are based on the data for all markets combined. These changes are based on pounds of butterfat, except for nonfat dry milk, which are based on pounds of skim milk. Data for 1996 are adjusted to a 365-day basis before computing percent changes.

5/ Represents the data for all Federal milk order markets, except for New York-New Jersey. For percentage changes based on comparable markets, see tables 20 and 22.

SUMMARY OF PACKAGED SALES OF FLUID MILK PRODUCTS IN MARKETING AREAS DEFINED BY FEDERAL MILK ORDERS 1/

Year and month	Number of mkts.	Whole milk products 2/				Fat-reduced milk products 3/				Total fluid milk products			
		Sales	Percent			Sales	Percent			Total	Adj. 5/	Total	Change 4/
			Total	Change 4/	Bf.		Total	Change 4/	Bf.				
		<u>Mil. lbs.</u>				<u>Mil. lbs.</u>				<u>Mil. lbs.</u>			
1995	33	14,964	-2.3	-2.0	3.27	26,499	1.2	1.4	1.32	43,434	43,530	0	0.2
1996	32	15,263	0.7	0.3	3.25	29,077	1.2	0.9	1.30	44,341	44,169	1.0	0.7
1997	31	14,952	-0.9	-0.7	3.25	28,997	0.3	0.4	1.26	43,949	43,957	-0.1	0
1998	31	14,728	-0.3	-0.3	3.26	28,541	-0.3	-0.3	1.25	43,268	43,278	-0.3	-0.3
1999 6/													
Jan.	31	1,256	-1.1	2.0	3.26	2,486	-1.5	1.1	1.26	3,742	3,591	-1.4	1.5
Feb.	30	1,141	1.3	1.3	3.25	2,222	-0.5	-0.5	1.25	3,363	3,514	0.1	0.1
Mar.													
Apr.													
May													
June													
July													
Aug.													
Sept.													
Oct.													
Nov.													
Dec.													
Year to date	---	2,390	0	1.7	3.26	4,675	-1.0	0.4	1.26	7,065	7,067	-0.7	0.9
													1.90

1/ In-area sales include total sales in each of the areas by handlers regulated under the respective orders, by handlers regulated under other orders, by partially regulated handlers, and by producer-handlers. Sales routes of handlers may extend outside defined marketing areas; therefore, some handlers' in-area sales are partially estimated.

2/ Plain, flavored, and miscellaneous whole milk products.

3/ Plain, solids added, flavored, and miscellaneous fat-reduced milk products, and buttermilk.

4/ Represents changes over the previous year. Percentages are based on the same group of markets comparable in both years. Data for 1996 are adjusted to a 365-day basis before computing percent changes.

5/ Adjusted to eliminate variation in data to calendar composition and seasonality.

6/ Represents the data for all Federal milk order markets in January. Beginning in February, excludes Nebraska - Western Iowa. See "Summary of Federal Milk Order Actions, February 1999" on page 72.

TABLE 1--FEDERAL ORDER FLUID (CLASS I) DIFFERENTIALS, MARCH 1999 AND MINIMUM FEDERAL ORDER CLASS I PRICES, MARCH AND APRIL 1999 AND 1998 1/

Federal milk order marketing area	Fluid diff. ¢/	Class I price				Federal milk order marketing area	Fluid diff. ¢/	Class I price			
		Dollars						Dollars			
		1999	March	1998	April			1999	March	1998	April
NORTH ATLANTIC						WEST NORTH CENTRAL					
New England	3.24	19.51	16.49	13.51	16.56	Upper Midwest	1.20	17.47	14.45	11.47	14.52
New York-New Jersey	3.14	19.41	16.39	13.41	16.46	Eastern South Dakota	1.50	17.77	14.75	11.77	14.82
Middle Atlantic	3.03	19.30	16.28	13.30	16.35	Iowa	1.55	17.82	14.80	11.82	14.87
SOUTHEASTERN						Nebraska-Western Iowa	1.75	18.02	15.00	12.02	15.07
Carolina	3.08	19.35	16.33	13.35	16.40	Greater Kansas City	1.92	18.19	15.17	12.19	15.24
Southeast	3.08	19.35	16.33	13.35	16.40	WEST SOUTH CENTRAL					
Upper Florida	3.58	19.85	16.83	13.85	16.90	Southwest Plains	2.77	19.04	16.02	13.04	16.09
Tampa Bay	3.88	20.15	17.13	14.15	17.20	Texas	3.16	19.43	16.41	13.43	16.48
Southeastern Florida	4.18	20.45	17.43	14.45	17.50	MOUNTAIN					
EAST NORTH CENTRAL						Eastern Colorado	2.73	19.00	15.98	13.00	16.05
Michigan Upper Pen.	1.35	17.62	14.60	11.62	14.67	Western Colorado	2.00	18.27	15.25	12.27	15.32
Southern Michigan	1.75	18.02	15.00	12.02	15.07	SW. Idaho-E. Oregon	1.50	17.77	14.75	11.77	14.82
E. Ohio-W. Pa.	2.00	18.27	15.25	12.27	15.32	Great Basin	1.90	18.17	15.15	12.17	15.22
Ohio Valley	2.04	18.31	15.29	12.31	15.36	Central Arizona	2.52	18.79	15.77	12.79	15.84
Indiana	1.90	18.17	15.15	12.17	15.22	New Mexico-W. Texas	2.35	18.62	15.60	12.62	15.67
Chicago Regional	1.40	17.67	14.65	11.67	14.72	PACIFIC					
Central Illinois	1.61	17.88	14.86	11.88	14.93	Pacific Northwest	1.90	18.17	15.15	12.17	15.22
S. Ill.-E. Mo.	1.92	18.19	15.17	12.19	15.24						
Louis.-Lex.-Evans.	2.11	18.35	15.36	12.38	15.43						

1/ Prices are for 100 pounds of milk of 3.5 percent butterfat content. Prices are listed generally for the major city in the marketing area; see footnotes on pages 46 and 47 for these locations.

2/ The fluid differential is the amount added to the Basic Formula Price to determine the Class I price. The Basic Formula Price is the base month Minnesota-Wisconsin price for the second preceding month updated with a product price formula. See Table 27. The fluid differentials shown for New England, New York-New Jersey, and Michigan Upper Peninsula reflect location adjustments. The differentials specified in the orders are: New England - \$2.52, New York-New Jersey - \$2.42, and Michigan Upper Peninsula - \$1.15.

TABLE 2--FEDERAL MILK ORDER CLASS AND BLEND PRICES AND BUTTERFAT DIFFERENTIALS, JANUARY, WITH COMPARISONS 1/

Federal milk order marketing area	Prices per hundredweight								Producer differential per 0.1 percent of butterfat Jan 1999
	Class I		Blend 2/		Class II	Class III Jan 1999	Class III-A 3/		
	Jan 1999	Jan 1998	Jan 1999	Jan 1998					
	-----Dollars-----								
<u>North Atlantic</u>									
New England 4/	20.08	16.20	18.01	14.74	17.14	16.30	13.15	13.7	13.7
New York-New Jersey 5/	19.98	16.10	18.12	14.67	17.22	16.38	13.23	13.7	13.7
Middle Atlantic 6/	19.87	15.99	17.23	14.27	17.14	16.32	13.17	---	---
Regional Average	19.98	16.10	17.85	14.58				13.7	13.7
<u>Southeastern</u>									
Carolina 7/	19.92	16.04	19.11	15.56	17.14	16.27	13.12	13.7	13.7
Southeast 8/	19.92	16.04	19.07	15.46	17.14	16.27	13.12	13.7	13.7
Tampa Bay	20.72	16.84	20.08	16.26	17.14	16.27		13.7	13.7
Regional Average 9/	20.14	16.26	19.33	15.69				13.7	13.7
<u>East North Central</u>									
Michigan Upper Peninsula 10/ 11/	18.19	14.31	17.78	14.04	17.14	16.27	13.12	13.7	13.7
Southern Michigan 12/	18.59	14.71	17.23	13.87	17.14	16.27	13.12	---	---
East. Ohio-West. Pennsylvania 13/	18.84	14.96	17.71	14.14	17.14	16.27	13.12	---	---
Ohio Valley 14/	18.88	15.00	17.86	14.22	17.14	16.27	13.12	---	---
Indiana 15/	18.74	14.86	17.77	14.33	17.14	16.27	13.12	---	---
Chicago Regional 16/	18.24	14.36	16.77	13.62	17.14	16.27	13.12	---	---
Central Illinois 17/	18.45	14.57	17.94	14.39	17.14	16.27		13.7	13.7
South. Illinois-East. Missouri 18/	18.76	14.88	17.94	14.31	17.14	16.27		13.7	13.7
Louisville-Lexington-Evansville	18.95	15.07	18.37	14.65	17.14	16.27	13.12	13.7	13.7
Regional Average	18.65	14.77	17.24	13.92				13.7	13.7

CONTINUED

See footnotes on pages 46 and 47.

TABLE 2--FEDERAL MILK ORDER CLASS AND BLEND PRICES AND BUTTERFAT DIFFERENTIALS, JANUARY, WITH COMPARISONS 1/--CONT.

Federal milk order marketing area	Prices per hundredweight										Producer differential per 0.1 percent of butterfat Jan 1999	
	Class I		Blend 2/		Class II		Class III		Class III-A 3/			
	Jan 1999	Jan 1998	Jan 1999	Jan 1998	Jan 1999	Jan 1998	Jan 1999	Jan 1998	Jan 1999	Jan 1998		
	-----Dollars-----											
<u>West North Central</u> Upper Midwest 19/ Iowa 20/ Nebraska-Western Iowa 21/ Greater Kansas City 22/ Regional Average 2/	18.04	14.16	16.50	13.41	17.14	16.27	13.12	13.12	13.12	13.12	---	
	18.39	14.51	16.66	13.64	17.14	16.27	13.12	13.12	13.12	13.12	---	
	18.59	14.71	16.28	13.54	17.14	16.27	13.12	13.12	13.12	13.12	---	
	18.76	14.88	18.53	14.76	17.14	16.27	13.12	13.12	13.12	13.12	13.7	
	18.25	14.37	16.51	13.48								
	<u>West South Central</u> Southwest Plains 23/ Texas 24/ Regional Average	19.61	15.73	18.15	14.68	17.14	16.27	13.12	13.12	13.12	13.12	13.7
		20.00	16.12	18.03	14.97	17.14	16.27	13.12	13.12	13.12	13.12	13.7
		19.88	16.00	18.07	14.87							13.7
	<u>Mountain</u> Eastern Colorado 25/ Southwestern Idaho-Eastern Oregon 26/ Great Basin 27/ Central Arizona 28/ New Mexico-West Texas 29/ Regional Average 2/	19.57	15.69	17.91	14.43	17.14	16.27	13.12	13.12	13.12	13.12	13.7
18.34		14.46	16.31	13.43	17.14	16.27	13.12	13.12	13.12	13.12	---	
18.74		14.86	17.44	13.97	17.14	16.27	13.12	13.12	13.12	13.12	---	
19.36		15.48	16.76	13.90	17.14	16.27	13.12	13.12	13.12	13.12	13.7	
19.19		15.31	16.68	13.68	17.14	16.27	13.12	13.12	13.12	13.12	13.7	
19.17		15.29	17.00	13.90							13.7	
<u>Pacific</u> Pacific Northwest 30/ Regional Average		18.74	14.86	16.22	13.49	17.14	16.27	13.12	13.12	13.12	13.12	---
		18.74	14.86	16.22	13.49							
All-Market Average 9/		19.41	15.54	17.47	14.26	17.15						13.7

See footnotes on pages 46 and 47.

TABLE 3--FEDERAL MILK ORDER CLASS AND BLEND PRICES AND BUTTERFAT DIFFERENTIALS, FEBRUARY, WITH COMPARISONS 1/--CONT.

Federal milk order marketing area	Prices per hundredweight								Producer differential per 0.1 percent of butterfat
	Class I		Blend 2/		Class II		Class III		
	Feb 1999		Feb 1998		Feb 1999		Feb 1998		
	Feb 1999		Feb 1998		Feb 1999		Feb 1998		
									-----Cents-----
<u>West North Central</u>									
Upper Midwest 19/	18.54	14.49	11.67	13.54	17.64	10.27	12.78	---	
Iowa 20/	18.89	14.84	13.04	13.85	17.64	10.27	12.78	---	
Nebraska-Western Iowa 21/	19.09	15.04	13.87	13.93	17.64	10.27	12.78	---	
Greater Kansas City 22/	19.26	15.21	18.71	14.99	17.64	10.27		13.9	
Regional Average 2/	18.75	14.71	12.25	13.65					
<u>West South Central</u>									
Southwest Plains 23/	20.11	16.06	15.85	14.87	17.64	10.27	12.78	13.9	
Texas 24/	20.50	16.45	16.27	15.00	17.64	10.27	12.78	13.9	
Regional Average	20.38	16.33	16.13	14.96				13.9	
<u>Mountain</u>									
Eastern Colorado 25/	20.07	16.02	15.84	14.65	17.64	10.27		13.9	
Southwestern Idaho-Eastern Oregon 26/	18.84	14.79	10.83	13.50	17.64	10.27	12.75	---	
Great Basin 27/	19.24	15.19	14.73	14.19	17.64	10.27		---	
Central Arizona 28/	19.86	15.81	14.62	14.24	17.64	10.27	12.75	13.9	
New Mexico-West Texas 29/	19.69	15.64	19.03	13.88	17.64	10.27	12.78	13.9	
Regional Average 2/	19.67	15.62	13.86	14.10				13.9	
<u>Pacific</u>									
Pacific Northwest 30/	19.24	15.19	14.47	13.91	17.64	10.27	12.75	---	
Regional Average	19.24	15.19	14.47	13.91					
All-Market Average 9/	19.92	15.87	15.02	14.47	17.65			13.9	

See footnotes on pages 46 and 47.

TABLE 4--AVERAGE FEDERAL MILK ORDER CLASS I AND BLEND PRICES, BY MARKETING AREA, JANUARY-FEBRUARY, WITH COMPARISONS 1/

Federal milk order marketing area	Class I price per hundredweight			Blend price per hundredweight		
	1999	1998	Change 1999 over 1998	1999	1998	Change 1999 over 1998
<u>Dollars</u>						
<u>North Atlantic</u>						
New England	20.32	16.35	3.97	17.31	14.87	2.44
New York-New Jersey	20.22	16.26	3.96	17.00	14.79	2.21
Middle Atlantic	20.11	16.15	3.96	16.67	14.45	2.22
Regional Average	20.22	16.25	3.97	16.99	14.72	2.27
<u>Southeastern</u>						
Carolina	20.16	16.20	3.96	19.17	15.72	3.45
Southeast	20.16	16.19	3.97	19.03	15.58	3.45
Florida Markets	20.96	17.00	3.96	20.01	16.39	3.62
Regional Average 2/	20.38	16.41	3.97	19.31	15.82	3.49
<u>East North Central</u>						
Michigan Upper Peninsula	18.43	14.46	3.97	17.46	14.16	3.30
Southern Michigan	18.83	14.87	3.96	16.64	14.04	2.60
East, Ohio-West, Pennsylvania	19.08	15.12	3.96	16.78	14.24	2.54
Ohio Valley	19.12	15.16	3.96	17.36	14.34	3.02
Indiana	18.98	15.01	3.97	17.55	14.45	3.10
Chicago Regional	18.47	14.51	3.96	14.55	13.69	0.86
Central Illinois	18.69	14.73	3.96	17.49	14.50	2.99
South, Illinois-East, Missouri	19.00	15.04	3.96	17.14	14.39	2.75
Louisville-Lexington-Evansville	19.19	15.23	3.96	18.28	14.81	3.47
Regional Average	18.89	14.93	3.96	15.85	14.01	1.84

CONTINUED

See footnotes on page 48.

TABLE 4--AVERAGE FEDERAL MILK ORDER CLASS I AND BLEND PRICES, BY MARKETING AREA, JANUARY-FEBRUARY, WITH COMPARISONS 1/--CONT.

Federal milk order marketing area	Class I price per hundredweight				Blend price per hundredweight			
	1999	1998	Change 1999 over 1998		1999	1998	Change 1999 over 1998	
			Dollars					
<u>West North Central</u>								
Upper Midwest	18.28	14.31	3.97		14.23	13.47		0.76
Iowa	18.63	14.66	3.97		14.87	13.74		1.13
Nebraska-Western Iowa	18.83	14.87	3.96		15.08	13.74		1.34
Greater Kansas City					18.62	14.87		3.75
Regional Average 2/ 3/	18.49	14.53	3.96		14.47	13.56		0.91
<u>West South Central</u>								
Southwest Plains	19.84	15.88	3.96		17.02	14.77		2.25
Texas	20.24	16.28	3.96		17.21	14.99		2.22
Regional Average	20.11	16.15	3.96		17.15	14.91		2.24
<u>Mountain</u>								
Eastern Colorado	19.81	15.85	3.96		16.93	14.54		2.39
Southwestern Idaho-Eastern Ore.	18.58	14.62	3.96		12.70	13.47		-0.77
Great Basin	18.98	15.02	3.96		16.10	14.07		2.03
Central Arizona	19.60	15.64	3.96		15.72	14.06		1.66
New Mexico-West Texas	19.42	15.47	3.95		17.27	13.78		3.49
Regional Average 2/	19.41	15.45	3.96		15.43	14.00		1.43
<u>Pacific</u>								
Pacific Northwest	18.98	15.02	3.96		15.38	13.69		1.69
Regional Average	18.98	15.02	3.96		15.38	13.69		1.69
All-Market Average 2/ 3/	19.65	15.70	3.95		16.29	14.36		1.93

See footnotes on page 48.

TABLE 5--NUMBER OF PRODUCERS DELIVERING MILK TO HANDLERS REGULATED UNDER FEDERAL ORDERS, TOTAL PRODUCER DELIVERIES, BUTTERFAT CONTENT OF PRODUCER DELIVERIES, AND AVERAGE DAILY DELIVERY PER PRODUCER, BY MARKETING AREA, JANUARY

Federal milk order marketing area	Number of producers		Total producer deliveries			Butterfat content of producer deliveries		Average daily delivery per producer	
	Jan 1999	Change from Jan 1998	Jan 1999	Jan 1998	Change from Jan 1998	Jan 1999	Jan 1998	Jan 1999	Jan 1998
			1,000 lbs.		Percent		Percent		Pounds
<u>North Atlantic</u>									
New England	3,750	187-	502,515	494,171	1.7	3.78	3.77	4,323	4,049
New York-New Jersey	9,414	887-	987,691	1,011,969	2.4-	3.76	3.72	3,384	3,169
Middle Atlantic	4,976	455	550,995	531,546	3.7	3.84	3.77	3,572	3,793
Regional Average or Total	18,140	619-	2,041,201	2,037,686	0.2	3.79	3.75		
<u>Southeastern</u>									
Carolina	1,705	25-	269,172	250,665	7.4	3.80	3.77	5,093	4,674
Southeast	4,477	299-	521,410	551,876	5.5-	3.71	3.72	3,757	3,727
Florida Markets 4/	255	44-	260,376	271,755	4.2-	3.64	3.62	32,938	29,319
Regional Average or Total	6,437	368-	1,050,958	1,074,296	2.2-	3.72	3.71		
<u>East North Central</u>									
Michigan Upper Peninsula	81	26-	5,516	5,856	5.8-	3.83	3.83	2,197	1,765
Southern Michigan 6/	2,943	309-	375,078	355,431	5.5	3.85	3.73	4,111	3,526
East. Ohio-West. Pennsylvania	3,140	214-	289,547	290,719	.4-	3.88	3.80	2,975	2,796
Ohio Valley	2,427	191-	257,861	265,423	2.8-	3.92	3.80	3,427	3,270
Indiana	1,556	211-	171,929	171,347	0.3	3.90	3.79	3,564	3,128
Chicago Regional 5/ 6/	13,173	1,172-	1,348,533	1,147,735	17.5	3.84	3.80	3,302	2,581
Central Illinois	240	34	19,069	15,894	20.0	3.92	3.86	2,563	2,489
South. Illinois-East. Missouri	1,390	7-	144,690	157,750	8.3-	3.86	3.84	3,358	3,643
Louisville-Lexington-Evansville	1,830	47-	113,857	122,415	7.0-	3.85	3.77	2,007	2,104
Regional Average or Total	26,780	2,143-	2,726,080	2,532,570	7.6	3.86	3.79		

CONTINUED

See footnotes on page 48.

TABLE 5--NUMBER OF PRODUCERS DELIVERING MILK TO HANDLERS REGULATED UNDER FEDERAL ORDERS, TOTAL PRODUCER DELIVERIES, BUTTERFAT CONTENT OF PRODUCER DELIVERIES, AND AVERAGE DAILY DELIVERY PER PRODUCER, BY MARKETING AREA, JANUARY--CONT.

Federal milk order marketing area	Number of producers		Total producer deliveries			Butterfat content of producer deliveries		Average daily delivery per producer	
	Jan 1999	Change from Jan 1998	Jan 1999	Jan 1998	Change from Jan 1998	Jan 1999	Jan 1998	Jan 1999	Jan 1998
			1,000 lbs.		Percent	Percent		Pounds	
<u>West North Central</u>									
Upper Midwest 5/ 6/	10,520	288-	1,017,571	927,558	9.7	3.81	3.79	3,184	2,867
Iowa 5/ 6/	3,641	328-	337,752	330,957	2.1	3.86	3.82	3,080	2,894
Nebraska-Western Iowa 5/ 6/	1,248	47	161,362	145,418	11.0	3.82	3.83	4,765	4,018
Greater Kansas-E. S. Dak. 7/	484	101	51,508	46,119	11.7	3.82	3.85	3,433	3,884
Regional Average or Total 3/	15,409	569-	1,516,685	1,403,933	8.0	3.82	3.80		
<u>West South Central</u>									
Southwest Plains 5/	2,198	161-	256,732	266,150	3.5-	3.76	3.80	3,768	3,639
Texas	1,508	100	586,568	490,957	19.5	3.66	3.74	12,547	11,248
Regional Average or Total	3,706	61-	843,300	757,107	11.4	3.69	3.76		
<u>Mountain</u>									
East. Colorado-West. Colorado 7/	274	139-	148,478	153,137	3.0-	3.68	3.68	17,480	11,961
Southwestern Idaho-Eastern Oregon 5/ 6/	387	28-	151,019	111,709	35.2	3.70	3.71	27,642	22,947
Great Basin	538	15-	186,046	197,293	5.7-	3.72	3.69	11,155	11,509
Central Arizona	101	3-	241,398	226,590	6.5	3.65	3.66	77,099	70,282
New Mexico-West Texas	138	7-	166,745	210,634	20.8-	3.67	3.74	38,977	46,860
Regional Average or Total	1,438	192-	893,686	899,363	.6-	3.68	3.69		
<u>Pacific</u>									
Pacific Northwest	1,117	54-	569,520	540,776	5.3	3.73	3.78	16,447	14,897
Regional Average or Total	1,117	54-	569,520	540,776	5.3	3.73	3.78		
All-Market Average or Total 3/	73,027	4,006-	9,641,430	9,245,731	4.3	3.78	3.76	4,259	3,872

See footnotes on page 48.

TABLE 6--NUMBER OF PRODUCERS DELIVERING MILK TO HANDLERS REGULATED UNDER FEDERAL ORDERS, TOTAL PRODUCER DELIVERIES, BUTTERFAT CONTENT OF PRODUCER DELIVERIES, AND AVERAGE DAILY DELIVERY PER PRODUCER, BY MARKETING AREA, FEBRUARY

Federal milk order marketing area	Number of producers		Total producer deliveries			Butterfat content of producer deliveries		Average daily delivery per producer	
	Feb 1999	Change from Feb 1998	Feb 1999	Feb 1998	Change from Feb 1998	Feb 1999	Feb 1998	Feb 1999	Feb 1998
			1,000 lbs.			Percent		Pounds	
<u>North Atlantic</u>									
New England	3,742	158-	460,671	453,293	1.6	3.74	3.75	4,397	4,151
New York-New Jersey	9,402	810-	914,135	934,063	2.1-	3.73	3.72	3,472	3,267
Middle Atlantic	4,859	364	494,152	504,177	2.0-	3.80	3.75	3,632	4,006
Regional Average or Total	18,003	604-	1,868,958	1,891,533	1.2-	3.75	3.74		
<u>Southeastern</u>									
Carolina	1,661	91	250,908	223,636	12.2	3.73	3.75	5,395	5,087
Southeast	4,454	130-	474,057	496,695	4.6-	3.61	3.66	3,433	3,495
Florida Markets 4/	235	33-	242,076	251,793	3.9-	3.57	3.64	36,790	33,421
Regional Average or Total	6,350	72-	967,041	972,124	.5-	3.63	3.68		
<u>East North Central</u>									
Michigan Upper Peninsula	81	3-	5,081	5,277	3.7-	3.75	3.79	2,240	2,244
Southern Michigan 5/	2,905	29-	338,844	325,860	4.0	3.77	3.69	4,166	3,967
East. Ohio-West. Pennsylvania 5/	3,138	150-	262,441	265,695	1.2-	3.84	3.78	2,987	2,886
Ohio Valley 5/	2,299	323-	222,389	250,248	11.1-	3.84	3.77	3,455	3,409
Indiana 5/	1,499	162-	152,623	157,233	2.9-	3.80	3.76	3,636	3,381
Chicago Regional 5/ 6/	13,131	1,127-	1,247,170	1,230,819	1.3	3.79	3.77	3,392	3,083
Central Illinois 5/	229	37	17,546	14,295	22.7	3.93	3.81	2,736	2,659
South. Illinois-East. Missouri 5/	1,403	155-	144,561	164,577	12.2-	3.79	3.78	3,680	3,773
Louisville-Lexington-Evansville	1,800	79-	112,916	108,591	4.0	3.77	3.74	2,240	2,064
Regional Average or Total	26,485	1,991-	2,503,571	2,522,595	.8-	3.80	3.76		

CONTINUED

See footnotes on page 48.

TABLE 6--NUMBER OF PRODUCERS DELIVERING MILK TO HANDLERS REGULATED UNDER FEDERAL ORDERS, TOTAL PRODUCER DELIVERIES, BUTTERFAT CONTENT OF PRODUCER DELIVERIES, AND AVERAGE DAILY DELIVERY PER PRODUCER, BY MARKETING AREA, FEBRUARY--CONT.

Federal milk order marketing area	Number of producers		Total producer deliveries			Butterfat content of producer deliveries		Average daily delivery per producer	
	Feb 1999	Change from Feb 1998	Feb 1999	Feb 1998	Change from Feb 1998	Feb 1999	Feb 1998	Feb 1999	Feb 1998
			1,000 lbs.		Percent	Percent		Pounds	
<u>West North Central</u>									
Upper Midwest 5/ 6/	10,529	166-	905,621	882,388	2.6	3.77	3.75	3,226	2,974
Iowa 5/ 6/	3,788	76	328,692	297,966	10.3	3.79	3.76	3,150	3,006
Nebraska-Western Iowa 5/ 6/	1,314	61-	159,852	148,167	7.9	3.75	3.76	4,916	3,973
Greater Kansas-E. S. Dak. 7/	400	18	47,136	41,858	12.6	3.76	3.76	4,209	3,913
Regional Average or Total 3/	15,631	151-	1,394,165	1,328,521	4.9	3.77	3.75		
<u>West South Central</u>									
Southwest Plains 5/	2,209	54-	245,910	245,992	0.0	3.65	3.70	3,976	3,882
Texas 5/	1,340	172-	515,725	496,941	3.8	3.60	3.65	13,745	11,738
Regional Average or Total	3,549	226-	761,635	742,933	2.5	3.62	3.67		
<u>Mountain</u>									
East. Colorado-West. Colorado 7/	230	164-	132,568	142,377	6.9-	3.62	3.65	20,585	12,906
Southwestern Idaho-Eastern Oregon 6/	388	17-	291,820	131,013	122.7	3.64	3.63	26,861	23,701
Great Basin	538	17-	181,643	178,060	2.0	3.65	3.65	12,058	11,458
Central Arizona	100	2-	228,668	206,596	10.7	3.61	3.63	81,667	72,338
New Mexico-West Texas	74	61-	55,835	207,547	73.1-	3.63	3.64	26,948	54,907
Regional Average or Total	1,330	261-	890,534	865,593	2.9	3.63	3.64		
<u>Pacific</u>									
Pacific Northwest	1,122	40-	521,477	496,637	5.0	3.73	3.67	16,599	15,264
Regional Average	1,122	40-	521,477	496,637	5.0	3.73	3.67		
All-Market Average or Total 3/	72,470	3,345-	8,907,381	8,819,936	1.0	3.73	3.72	4,390	4,155

See footnotes on page 48.

TABLE 7--PRODUCER DELIVERIES OF MILK USED IN CLASS I AND GROSS CLASS I USE BY HANDLERS REGULATED UNDER FEDERAL ORDERS, BY MARKETING AREA, JANUARY, WITH COMPARISONS

Federal milk order marketing area	Producer deliveries used in Class I			Class I utilization percentage		Gross Class I use	
	Jan 1999	Jan 1998	Change from Jan 1998	Jan 1999	Jan 1998	Jan 1999	Change from Jan 1998
	<u>1,000 pounds</u>	<u>1,000 pounds</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>1,000 pounds</u>	<u>Percent</u>
<u>North Atlantic</u>							
New England	230,518	235,183	2.0-	45.9	47.6	243,321	3.0-
New York-New Jersey	410,708	417,301	1.6-	41.6	41.2	410,708	1.6-
Middle Atlantic	218,995	231,055	5.2-	39.7	43.5	243,373	2.9-
Regional Average or Total	860,221	883,539	2.6-	42.1	43.4		
<u>Southeastern</u>							
Carolina	206,820	206,132	0.3	76.8	82.2	227,360	2.7
Southeast	400,601	425,350	5.8-	76.8	77.1	445,419	3.4-
Florida Markets 4/	224,314	235,064	4.6-	86.2	86.5	238,488	4.8-
Regional Average or Total	831,735	866,546	4.0-	79.1	80.7		
<u>East North Central</u>							
Michigan Upper Peninsula	4,334	4,439	2.4-	78.6	75.8	4,469	4.5-
Southern Michigan	177,482	175,478	1.1	47.3	49.4	196,519	1.7
East. Ohio-West. Pennsylvania	158,548	150,492	5.4	54.8	51.8	170,890	6.6
Ohio Valley	139,225	144,843	3.9-	54.0	54.6	156,113	1.8-
Indiana	104,527	110,808	5.7-	60.8	64.7	122,772	1.0-
Chicago Regional	232,864	224,583	3.7	17.3	19.6	261,092	4.8
Central Illinois	14,184	12,706	11.6	74.4	79.9	16,577	8.2
South. Illinois-East. Missouri	81,715	90,891	10.1-	56.5	57.6	97,939	0
Louisville-Lexington-Evansville	91,274	94,487	3.4-	80.2	77.2	103,420	1.4
Regional Average or Total	1,004,153	1,008,727	0.5-	36.8	39.8		

CONTINUED

See footnotes on page 48.

TABLE 7--PRODUCER DELIVERIES OF MILK USED IN CLASS I AND GROSS CLASS I USE BY HANDLERS REGULATED UNDER FEDERAL ORDERS, BY MARKETING AREA, JANUARY, WITH COMPARISONS--CONT.

Federal milk order marketing area	Producer deliveries used in Class I			Class I utilization percentage		Gross Class I use	
	Jan 1999	Jan 1998	Change from Jan 1998	Jan 1999	Jan 1998	Jan 1999	Change from Jan 1998
	1,000 pounds	1,000 pounds	Percent	Percent	Percent	1,000 pounds	Percent
<u>West North Central</u>							
Upper Midwest	138,671	141,822	2.2-	13.6	15.3	139,935	.4-
Iowa	89,307	89,114	0.2	26.4	26.9	96,062	1.4
Nebraska-Western Iowa	50,798	52,753	3.7-	31.5	36.3	55,875	6.3-
Greater Kansas City-E. S. Dak. 7/ 8/	---	---	---	---	---	---	---
Regional Average or Total 3/	278,776	283,689	1.7-	18.4	20.2		
<u>West South Central</u>							
Southwest Plains	129,501	132,235	2.1-	50.4	49.7	137,310	2.5-
Texas	282,276	281,900	0.1	48.1	57.4	284,246	.2-
Regional Average or Total	411,777	414,135	0.6-	48.8	54.7		
<u>Mountain</u>							
East. Colorado-West. Colorado 7/	71,170	70,677	0.7	47.9	46.2	78,118	.6
Southwestern Idaho-Eastern Oreg.	15,433	15,712	1.8-	10.2	14.1	17,482	.1-
Great Basin	76,687	75,790	1.2	41.2	38.4	84,219	1.7
Central Arizona	86,238	88,717	2.8-	35.7	39.2	93,103	1.1-
New Mexico-West Texas	54,627	55,837	2.2-	32.8	26.5	55,841	2.2-
Regional Average or Total	304,155	306,733	0.8-	34.0	34.1		
<u>Pacific</u>							
Pacific Northwest	175,699	183,819	4.4-	30.9	34.0	189,363	3.0-
Regional Average or Total	175,699	183,819	4.4-	30.9	34.0		
All-Market Average or Total 3/ 8/	3,866,516	3,947,188	2.0-	40.1	42.7		

See footnotes on page 48.

TABLE 8--PRODUCER DELIVERIES OF MILK USED IN CLASS I AND GROSS CLASS I USE BY HANDLERS REGULATED UNDER FEDERAL ORDERS, BY MARKETING AREA, FEBRUARY, WITH COMPARISONS

Federal milk order marketing area	Producer deliveries used in Class I			Class I utilization percentage		Gross Class I use	
	Feb 1999	Feb 1998	Change from Feb 1998	Feb 1999	Feb 1998	Feb 1999	Change from Feb 1998
	1,000 pounds	1,000 pounds	Percent	Percent	Percent	1,000 pounds	Percent
<u>North Atlantic</u>							
New England	207,369	203,479	1.9	45.0	44.9	220,963	0.2
New York-New Jersey	369,101	377,022	2.1-	40.4	40.4	369,101	2.1-
Middle Atlantic	203,363	211,757	4.0-	41.2	42.0	222,719	3.5-
Regional Average or Total	779,833	792,258	1.6-	41.7	41.9		
<u>Southeastern</u>							
Carolina	193,709	183,467	5.6	77.2	82.0	210,689	6.1
Southeast	373,133	375,806	0.7-	78.7	75.7	409,984	.2-
Florida Markets 4/	208,446	212,527	1.9-	86.1	84.4	223,487	2.0-
Regional Average or Total	775,288	771,800	0.5	80.2	79.4		
<u>East North Central</u>							
Michigan Upper Peninsula	4,014	3,918	2.5	79.0	74.2	4,226	1.7
Southern Michigan	158,320	158,472	0.1-	46.7	48.6	175,089	0.1
East. Ohio-West. Pennsylvania	147,039	134,385	9.4	56.0	50.6	158,438	9.4
Ohio Valley	128,247	130,765	1.9-	57.7	52.3	140,995	1.3-
Indiana	95,812	96,420	0.6-	62.8	61.3	108,404	1.8-
Chicago Regional	199,852	198,486	0.7	16.0	16.1	223,812	1.5
Central Illinois	13,108	11,395	15.0	74.7	79.7	15,152	11.1
South. Illinois-East. Missouri	74,128	82,241	9.9-	51.3	50.0	87,913	2.9-
Louisville-Lexington-Evansville	81,196	84,843	4.3-	71.9	78.1	90,389	2.7-
Regional Average or Total	901,716	900,925	0.1	36.0	35.7		

CONTINUED

See footnotes on page 48.

TABLE 8--PRODUCER DELIVERIES OF MILK USED IN CLASS I AND GROSS CLASS I USE BY HANDLERS REGULATED UNDER FEDERAL ORDERS, BY MARKETING AREA, FEBRUARY, WITH COMPARISONS--CONT.

Federal milk order marketing area	Producer deliveries used in Class I			Class I utilization percentage		Gross Class I use	
	Feb 1999	Feb 1998	Change from Feb 1998	Feb 1999	Feb 1998	Feb 1999	Change from Feb 1998
	1,000 pounds		Percent	Percent		1,000 pounds	Percent
<u>West North Central</u>							
Upper Midwest	123,991	123,469	0.4	13.7	14.0	123,745	1.5-
Iowa	80,392	78,128	2.9	24.5	26.2	86,372	2.9
Nebraska-Western Iowa	45,983	51,836	11.3-	28.8	35.0	50,916	10.8-
Greater Kansas City-E. S. Dak. 7/ 8/	---	---	---	---	---	---	---
Regional Average or Total 3/	250,366	253,433	1.2-	18.0	19.1		
<u>West South Central</u>							
Southwest Plains	114,277	117,085	2.4-	46.5	47.6	121,926	2.7-
Texas	251,707	250,562	0.5	48.8	50.4	253,725	0.9
Regional Average or Total	365,984	367,647	0.5-	48.1	49.5		
<u>Mountain</u>							
East. Colorado-West. Colorado 7/	65,942	65,361	0.9	49.7	45.9	71,020	.4-
Southwestern Idaho-Eastern Ore.	14,570	14,804	1.6-	5.0	11.3	16,342	.8-
Great Basin	72,734	68,150	6.7	40.0	38.3	79,350	6.4
Central Arizona	79,242	81,700	3.0-	34.7	39.5	85,889	1.4-
New Mexico-West Texas	48,016	49,906	3.8-	86.0	24.0	50,121	2.3-
Regional Average or Total	280,504	279,921	0.2	31.5	32.3		
<u>Pacific</u>							
Pacific Northwest	160,735	165,340	2.8-	30.8	33.3	171,800	3.6-
Regional Average or Total	160,735	165,340	2.8-	30.8	33.3		
All-Market Average or Total 3/ 8/	3,514,426	3,531,324	0.5-	39.5	40.0		

See footnotes on page 48.

TABLE 9--PRODUCER DELIVERIES OF MILK USED IN CLASS II BY HANDLERS REGULATED UNDER FEDERAL ORDERS,
BY MARKETING AREA, JANUARY AND YEAR TO DATE

Federal milk order marketing area	Producer deliveries used in Class II		Class II utilization		Producer deliveries used in Class II		Class II utilization	
	Jan 1999	Jan 1998	Jan 1999	Jan 1998	Year to date 1999	Year to date 1998	Year to date 1999	Year to date 1998
	1,000 pounds		Percent		1,000 pounds		Percent	
<u>North Atlantic</u>								
New England	71,226	71,249	14.2	14.4	71,226	71,249	14.2	14.4
New York-New Jersey	132,867	147,427	13.5	14.6	132,867	147,427	13.5	14.6
Middle Atlantic	87,050	90,113	15.8	17.0	87,050	90,113	15.8	17.0
Regional Average or Total	291,143	308,789	14.3	15.2	291,143	308,789	14.3	15.2
<u>Southeastern</u>								
Carolina	30,362	32,257	11.3	12.9	30,362	32,257	11.3	12.9
Southeast	38,445	43,351	7.4	7.9	38,445	43,351	7.4	7.9
Florida Markets 4/	16,042	22,105	6.2	8.1	16,042	22,105	6.2	8.1
Regional Average or Total	84,849	97,713	8.1	9.1	84,849	97,713	8.1	9.1
<u>East North Central</u>								
Michigan Upper Peninsula	131	226	2.4	3.9	131	226	2.4	3.9
Southern Michigan	69,184	65,885	18.4	18.5	69,184	65,885	18.4	18.5
East. Ohio-West. Pennsylvania	19,755	20,568	6.8	7.1	19,755	20,568	6.8	7.1
Ohio Valley	53,183	57,860	20.6	21.8	53,183	57,860	20.6	21.8
Indiana	30,943	34,638	18.0	20.2	30,943	34,638	18.0	20.2
Chicago Regional	66,110	80,115	4.9	7.0	66,110	80,115	4.9	7.0
Central Illinois	342	119	1.8	0.7	342	119	1.8	0.7
South. Illinois-East. Missouri	26,149	31,764	18.1	20.1	26,149	31,764	18.1	20.1
Louisville-Lexington-Evansville	12,880	13,258	11.3	10.8	12,880	13,258	11.3	10.8
Regional Average or Total	278,677	304,433	10.2	12.0	278,677	304,433	10.2	12.0

CONTINUED

See footnotes on page 48.

TABLE 9--PRODUCER DELIVERIES OF MILK USED IN CLASS II BY HANDLERS REGULATED UNDER FEDERAL ORDERS,
BY MARKETING AREA, JANUARY AND YEAR TO DATE--CONT.

Federal milk order marketing area	Producer deliveries used in Class II		Class II utilization		Producer deliveries used in Class II		Class II utilization	
	Jan 1999	Jan 1998	Jan 1999	Jan 1998	Year to date 1999	Year to date 1998	Year to date 1999	Year to date 1998
	1,000 pounds		Percent		1,000 pounds		Percent	
<u>West North Central</u>								
Upper Midwest	25,153	26,618	2.5	2.9	25,153	26,618	2.5	2.9
Iowa	12,669	11,344	3.8	3.4	12,669	11,344	3.8	3.4
Nebraska-Western Iowa	11,412	12,884	7.1	8.9	11,412	12,884	7.1	8.9
Greater Kansas City-E. S. Dak. 7/ 8/	---	---	---	---	---	---	---	---
Regional Average or Total 3/	49,234	50,846	3.2	3.6	49,234	50,846	3.2	3.6
<u>West South Central</u>								
Southwest Plains	25,579	31,297	10.0	11.8	25,579	31,297	10.0	11.8
Texas	84,143	82,997	14.3	16.9	84,143	82,997	14.3	16.9
Regional Average or Total	109,722	114,294	13.0	15.1	109,722	114,294	13.0	15.1
<u>Mountain</u>								
East. Colorado-West. Colorado 7/	16,780	16,739	11.3	10.9	16,780	16,739	11.3	10.9
Southwestern Idaho-Eastern Ore.	5,185	5,926	3.4	5.3	5,185	5,926	3.4	5.3
Great Basin	18,863	18,110	10.1	9.2	18,863	18,110	10.1	9.2
Central Arizona	15,099	15,038	6.3	6.6	15,099	15,038	6.3	6.6
New Mexico-West Texas	6,162	5,081	3.7	2.4	6,162	5,081	3.7	2.4
Regional Average or Total	62,089	60,894	6.9	6.8	62,089	60,894	6.9	6.8
<u>Pacific</u>								
Pacific Northwest	44,963	42,124	7.9	7.8	44,963	42,124	7.9	7.8
Regional Average or Total	44,963	42,124	7.9	7.8	44,963	42,124	7.9	7.8
All-Market Average or Total 3/ 8/	920,677	979,093	9.5	10.6	920,677	979,093	9.5	10.6

See footnotes on page 48.

TABLE 10--PRODUCER DELIVERIES OF MILK USED IN CLASS II BY HANDLERS REGULATED UNDER FEDERAL ORDERS,
BY MARKETING AREA, FEBRUARY AND YEAR TO DATE

Federal milk order marketing area	Producer deliveries used in Class II		Class II utilization		Producer deliveries used in Class II			Class II utilization	
	Feb 1999	Feb 1998	Feb 1999	Feb 1998	Year to date 1999	Year to date 1998	Year to date 1999	Year to date 1998	
	L,000 pounds		Percent		L,000 pounds			Percent	
<u>North Atlantic</u>									
New England	62,690	75,415	13.6	16.6	133,916	146,664	13.9	15.5	
New York-New Jersey	124,665	138,061	13.6	14.8	257,532	285,488	13.5	14.7	
Middle Atlantic	61,924	92,046	12.5	18.3	148,974	182,159	14.3	17.6	
Regional Average or Total	249,279	305,522	13.3	16.2	540,422	614,311	13.8	15.6	
<u>Southeastern</u>									
Carolina	33,909	31,567	13.5	14.1	64,271	63,824	12.4	13.5	
Southeast	32,670	39,258	6.9	7.9	71,115	82,609	7.1	7.9	
Florida Markets 4/	18,061	21,415	7.5	8.5	34,103	43,520	6.8	8.3	
Regional Average or Total	84,640	92,240	8.8	9.5	169,489	189,953	8.4	9.3	
<u>East North Central</u>									
Michigan Upper Peninsula	142	171	2.8	3.2	273	397	2.6	3.6	
Southern Michigan	58,029	70,853	17.1	21.7	127,213	136,738	17.8	20.1	
East, Ohio-West, Pennsylvania	12,744	21,071	4.9	7.9	32,499	41,639	5.9	7.5	
Ohio Valley	35,481	56,093	16.0	22.4	88,664	113,953	18.5	22.1	
Indiana	22,071	32,042	14.5	20.4	53,014	66,680	16.3	20.3	
Chicago Regional	53,886	62,746	4.3	5.1	119,996	142,861	4.6	6.0	
Central Illinois	494	451	2.8	3.2	836	570	2.3	1.9	
South, Illinois-East, Missouri	25,217	30,338	17.4	18.4	51,366	62,102	17.8	19.3	
Louisville-Lexington-Evansville	16,244	10,755	14.4	9.9	29,124	24,013	12.8	10.4	
Regional Average or Total	224,308	284,520	9.0	11.3	502,985	588,953	9.6	11.7	

CONTINUED

See footnotes on page 48.

TABLE 10--PRODUCER DELIVERIES OF MILK USED IN CLASS II BY HANDLERS REGULATED UNDER FEDERAL ORDERS,
BY MARKETING AREA, FEBRUARY AND YEAR TO DATE--CONT.

Federal milk order marketing area	Producer deliveries used in Class II		Class II utilization		Producer deliveries used in Class II		Class II utilization	
	Feb 1999	Feb 1998	Feb 1999	Feb 1998	Year to date 1999	Year to date 1998	Year to date 1999	Year to date 1998
	<u>1,000 pounds</u>		<u>Percent</u>		<u>1,000 pounds</u>		<u>Percent</u>	
<u>West North Central</u>								
Upper Midwest								
Iowa	24,623	28,001	2.7	3.2	49,776	54,619	2.6	3.0
Nebraska-Western Iowa	11,817	11,403	3.6	3.8	24,486	22,747	3.7	3.6
Greater Kansas City-E. S. Dak. 7/ 8/	9,218	13,620	5.8	9.2	20,630	26,504	6.4	9.0
Regional Average or Total 3/	---	---	---	---	---	---	---	---
	45,658	53,024	3.3	4.0	94,892	103,870	3.3	3.8
<u>West South Central</u>								
Southwest Plains								
Texas	23,671	34,012	9.6	13.8	49,250	65,309	9.8	12.8
Regional Average or Total	27,251	91,441	5.3	18.4	111,394	174,438	10.1	17.7
	50,922	125,453	6.7	16.9	160,644	239,747	10.0	16.0
<u>Mountain</u>								
East. Colorado-West. Colorado 7/	15,106	15,842	11.4	11.1	31,886	32,581	11.3	11.0
Southwestern Idaho-Eastern Ore.	6,152	6,230	2.1	4.8	11,337	12,156	2.6	5.0
Great Basin	19,455	17,734	10.7	10.0	38,318	35,844	10.4	9.5
Central Arizona	10,850	12,299	4.7	6.0	25,949	27,337	5.5	6.3
New Mexico-West Texas	4,766	4,818	8.5	2.3	10,928	9,899	4.9	2.4
Regional Average or Total	56,329	56,923	6.3	6.6	118,418	117,817	6.6	6.7
<u>Pacific</u>								
Pacific Northwest	43,102	40,532	8.3	8.2	88,065	82,656	8.1	8.0
Regional Average or Total	43,102	40,532	8.3	8.2	88,065	82,656	8.1	8.0
All-Market Average or Total 3/ 8/	754,238	958,214	8.5	10.9	1,674,915	1,937,307	9.0	10.7

See footnotes on page 48.

TABLE 11--TOTAL PRODUCER DELIVERIES OF MILK AND PRODUCER DELIVERIES USED IN CLASS I BY HANDLERS REGULATED UNDER FEDERAL ORDERS, BY MARKETING AREA, JANUARY-FEBRUARY, WITH COMPARISONS

Federal milk order marketing area	Total producer deliveries			Producer deliveries used in Class I			Class I utilization	
	1999	1998	Change 1999 from 1998	1999	1998	Change 1999 from 1998	1999	1998
	1,000 pounds	1,000 pounds	Percent	1,000 pounds	1,000 pounds	Percent	Percent	Percent
<u>North Atlantic</u>								
New England	963,186	947,464	1.7	437,887	438,662	.2-	45.5	46.3
New York-New Jersey	1,901,826	1,946,032	2.3-	779,809	794,323	1.8-	41.0	40.8
Middle Atlantic	1,045,147	1,035,723	0.9	422,358	442,812	4.6-	40.4	42.8
Regional Average or Total	3,910,159	3,929,219	.5-	1,640,054	1,675,797	2.1-	41.9	42.6
<u>Southeastern</u>								
Carolina	520,080	474,301	9.7	400,529	389,599	2.8	77.0	82.1
Southeast	995,467	1,048,571	5.1-	773,734	801,156	3.4-	77.7	76.4
Florida Markets 4/	502,452	523,548	4.0-	432,760	447,591	3.3-	86.1	85.5
Regional Average or Total	2,017,999	2,046,420	1.4-	1,607,023	1,638,346	1.9-	79.6	80.1
<u>East North Central</u>								
Michigan Upper Peninsula	10,597	11,133	4.8-	8,348	8,357	.1-	78.8	75.1
Southern Michigan 5/ 6/	713,922	681,291	4.8	335,802	333,950	.6	47.0	49.0
East, Ohio-West, Pennsylvania 5/	551,988	556,414	.8-	305,587	284,877	7.3	55.4	51.2
Ohio Valley 5/	480,250	515,671	6.9-	267,472	275,608	3.0-	55.7	53.4
Indiana 5/	324,552	328,580	1.2-	200,339	207,228	3.3-	61.7	63.1
Chicago Regional 5/	2,595,703	2,378,554	9.1	432,716	423,069	2.3	16.7	17.8
Central Illinois 5/	36,615	30,189	21.3	27,292	24,101	13.2	74.5	79.8
South, Illinois-East, Missouri 5/	289,251	322,327	10.3-	155,843	173,132	10.0-	53.9	53.7
Louisville-Lexington-Evansville	226,773	231,006	1.8-	172,470	179,330	3.8-	76.1	77.6
Regional Average or Total	5,229,651	5,055,165	3.5	1,905,869	1,909,652	.2-	36.4	37.8

CONTINUED

See footnotes on page 48.

TABLE 11--TOTAL PRODUCER DELIVERIES OF MILK AND PRODUCER DELIVERIES USED IN CLASS I BY HANDLERS REGULATED UNDER FEDERAL ORDERS, BY MARKETING AREA, JANUARY-FEBRUARY, WITH COMPARISONS--CONT.

Federal milk order marketing area	Total producer deliveries			Producer deliveries used in Class I			Class I utilization	
	1999	1998	Change 1999 from 1998	1999	1998	Change 1999 from 1998	1999	1998
	1,000 pounds	1,000 pounds	Percent	1,000 pounds	1,000 pounds	Percent	Percent	Percent
<u>West North Central</u>								
Upper Midwest <u>5/ 6/</u>	1,923,192	1,809,946	6.3	262,662	265,291	1.0-	13.7	14.7
Iowa <u>5/ 6/</u>	666,444	628,923	6.0	169,699	167,242	1.5	25.5	26.6
Nebraska-Western Iowa <u>5/ 6/</u>	321,214	293,585	9.4	96,781	104,589	7.5-	30.1	35.6
Greater Kansas City-E. S. Dak. <u>7/ 8/</u>	98,644	87,977	12.1	---	---	---	---	---
Regional Average or Total <u>3/</u>	2,910,850	2,732,454	6.5	529,142	537,122	1.5-	18.2	19.7
<u>West South Central</u>								
Southwest Plains <u>5/</u>	502,642	512,142	1.9-	243,778	249,320	2.2-	48.5	48.7
Texas <u>5/</u>	1,102,293	987,898	11.6	533,983	532,462	.3	48.4	53.9
Regional Average or Total	1,604,935	1,500,040	7.0	777,761	781,782	.5-	48.5	52.1
<u>Mountain</u>								
East. Colorado-West. Colorado <u>7/</u>	281,046	295,514	4.9-	137,112	136,038	.8	48.8	46.0
Southwestern Idaho-Eastern Oregon <u>5/ 6/</u>	442,839	242,722	82.4	30,003	30,516	1.7-	6.8	12.6
Great Basin	367,689	375,353	2.0-	149,421	143,940	3.8	40.6	38.3
Central Arizona	470,066	433,186	8.5	165,480	170,417	2.9-	35.2	39.3
New Mexico-West Texas	222,580	418,181	46.8-	102,643	105,743	2.9-	46.1	25.3
Regional Average or Total	1,784,220	1,764,956	1.1	584,659	586,654	.3-	32.8	33.2
<u>Pacific</u>								
Pacific Northwest	1,090,997	1,037,413	5.2	336,434	349,159	3.6-	30.8	33.7
Regional Average or Total	1,090,997	1,037,413	5.2	336,434	349,159	3.6-	30.8	33.7
All Market Average or Total <u>3/ 8/</u>	18,548,811	18,065,667	2.7	7,380,942	7,478,512	1.3-	39.8	41.4

See footnotes on page 48.

TABLE 12--WHOLE MILK PRODUCTS AND FAT-REDUCED MILK PRODUCTS SOLD IN MARKETING AREAS DEFINED BY FEDERAL MILK ORDERS FOR MARKETS WHERE SUCH INFORMATION IS AVAILABLE, DECEMBER 1998, WITH COMPARISONS 1/

Marketing area	Whole milk products 2/				Fat-reduced milk products 3/				Total fluid milk products			
	Dec 1998		Change 1998 from 1997		Dec 1998		Change 1998 from 1997		Dec 1998		Change 1998 from 1997	
	Sales	Butter-fat content	Dec	Year to date	Sales	Butter-fat content	Dec	Year to date	Sales	Butter-fat content	Dec	Year to date
	Mil. lb.		Percent		Mil. lb.		Percent		Mil. lb.		Percent	
<u>North Atlantic</u>												
New England	86.0	3.17	1.8-	.5-	136.2	1.07	.2-	.7-	222.2	1.88	.8-	.6-
Middle Atlantic	84.6	3.28	3.7-	2.1-	155.5	1.17	.3-	0.5	240.1	1.91	1.5-	.5-
Regional Total	170.6	3.22	2.7-	1.3-	291.7	1.12	.3-	.1-	462.3	1.90	1.2-	.5-
<u>Southeastern</u>												
Carolina	75.2	3.24	2.4	6.9-	93.2	1.22	2.0-	6.2	168.4	2.12	.1-	0.1
Tennessee Valley 4/	---	---	---	---	---	---	---	---	---	---	---	---
Southeast	169.1	3.27	1.1-	.8-	216.1	1.30	3.6-	1.9-	385.2	2.17	2.5-	1.5-
Upper Florida	30.7	3.26	13.1	7.3	44.3	1.18	7.1	.1-	75.1	2.03	9.5	2.8
Tampa Bay	31.9	3.24	1.7-	2.5	43.1	1.11	11.7-	2.6-	75.0	2.01	7.7-	.6-
Southeastern Florida	42.3	3.33	.6-	1.8	42.4	1.09	2.2	1.1	84.7	2.21	0.8	1.4
Regional Total 5/	349.3	3.27	0.8	1.0-	439.1	1.23	2.6-	0.1	788.3	2.13	1.2-	.4-
<u>East North Central</u>												
Michigan Upper Peninsula	0.9	3.34	14.7-	13.8-	7.4	1.31	6.1	0.5	8.3	1.54	3.3	1.5-
Southern Michigan	49.0	3.21	1.2-	2.7	110.3	1.27	0.1	1.0-	159.3	1.86	.3-	0.1
E. Ohio-W. Pa.	40.0	3.20	4.8	.6-	106.3	1.40	1.0-	1.3-	146.4	1.89	0.6	1.1-
Ohio Valley	42.1	3.23	3.6-	0.0	113.1	1.46	2.9-	2.3-	155.2	1.94	3.1-	1.7-
Indiana	20.9	3.31	6.4	3.9	79.5	1.41	.3-	0.2	100.4	1.81	1.0	0.9
Chicago Regional	47.9	3.25	2.7-	.4-	187.5	1.28	1.6	0.1	235.4	1.68	0.7	0
Central Illinois	3.0	3.27	2.7-	1.4	14.1	1.43	5.4-	.2-	17.1	1.75	5.0-	0.1
S. Ill.-E. Missouri	17.5	3.23	1.7	5.4	61.8	1.39	3.3	0.7	79.3	1.80	2.9	1.7
Louis.-Lex.-Evans	16.6	3.25	11.0	7.7	40.5	1.40	0.2	0.0	57.1	1.93	3.1	2.0
Regional Total	237.8	3.24	0.5	1.5	720.5	1.36	0.0	.6-	958.3	1.82	0.1	.1-

CONTINUED

See footnotes on pages 48 and 49.

TABLE 12-WHOLE MILK PRODUCTS AND FAT-REDUCED MILK PRODUCTS SOLD IN MARKETING AREAS DEFINED BY FEDERAL MILK ORDERS FOR MARKETS WHERE SUCH INFORMATION IS AVAILABLE, DECEMBER 1998, WITH COMPARISONS 1/--CONT.

Marketing area	Whole milk products 2/					Fat-reduced milk products 3/					Total fluid milk products				
	Dec 1998		Change from 1997		Percent	Dec 1998		Change from 1997		Percent	Dec 1998		Change from 1997		Percent
	Sales	Butter-fat content	Dec	Year to date		Sales	Butter-fat content	Dec	Year to date		Sales	Butter-fat content	Dec	Year to date	
	Mil. lb.					Mil. lb.					Mil. lb.				
<u>West North Central</u>															
Upper Midwest	13.1	3.31	6.9	0.4		117.8	1.04	1.6	0.6		130.8	1.27	2.1	0.6	
Eastern South Dakota	1.0	3.27	.1-	3.2		8.4	1.28	6.5-	0.1		9.4	1.49	5.8-	0.4	
Iowa	7.8	3.29	1.6-	.7-		51.4	1.19	0.8	0.1		59.2	1.46	0.5	0	
Nebraska-Western Iowa	7.5	3.25	0.8	0.4		34.2	1.24	1.2	.5-		41.7	1.60	1.1	.4-	
Greater Kansas City	11.6	3.25	1.1	0.9		34.7	1.27	2.7	1.1		46.3	1.77	2.3	1.0	
Regional Total	40.9	3.28	2.3	0.4		246.4	1.14	1.2	0.4		287.4	1.45	1.4	0.4	
<u>West South Central</u>															
Southwest Plains	40.6	3.32	0.5	0.4		60.9	1.34	1.2-	1.5-		101.5	2.13	.5-	.7-	
Texas	135.0	3.28	3.4	0.9		144.3	1.31	3.5	1.4		279.3	2.26	3.4	1.1	
Regional Total	175.6	3.29	2.7	0.8		205.2	1.32	2.0	0.5		380.8	2.23	2.3	0.6	
<u>Mountain</u>															
Eastern Colorado	17.9	3.29	5.3	.1-		45.8	1.31	3.0	1.2-		63.7	1.87	3.7	.9-	
Western Colorado	1.9	3.31	8.8	10.3		5.2	1.41	1.0	4.3		7.1	1.93	3.0	5.8	
SW. Idaho-E. Oregon	2.9	3.35	8.5	1.9		12.4	1.44	2.5	0.7		15.3	1.80	3.6	1.0	
Great Basin	17.6	3.32	4.0	2.5		62.8	1.41	3.0	1.5		80.4	1.83	3.2	1.7	
Central Arizona	25.0	3.26	5.8	4.6		55.5	1.39	0.2	4.0-		80.6	1.97	1.9	1.4-	
New Mex.-W. Texas	28.4	3.33	5.7	3.3-		24.0	1.43	12.3	1.2-		52.4	2.46	8.6	2.4-	
Regional Total	93.8	3.30	5.5	0.8		205.7	1.39	3.2	.9-		299.5	1.99	3.9	.4-	
<u>Pacific</u>															
Pacific Northwest	33.2	3.34	5.8	3.8		159.2	1.35	0.4	2.0-		192.4	1.70	1.3	1.0-	
Regional Total	33.2	3.34	5.8	3.8		159.2	1.35	0.4	2.0-		192.4	1.70	1.3	1.0-	
Combined Areas (30) 5/ 6/	1,101.2	3.26	1.0	0.1		2,267.7	1.28	0.1	0.3-		3,368.9	1.93	0.4	0.2-	
Combined Areas Adj. for Calendar Composition 7/	1,094.2	---	1.7	0.1		2,256.0	---	0.3	0.4-		3,349.5	---	0.9	0.2-	
New York-New Jersey	187.3	---	---	---		183.5	---	---	---		370.8	---	1.3-	1.4-	

See footnotes on pages 48 and 49.

TABLE 13--WHOLE MILK AND FAT-REDUCED MILK PRODUCTS SOLD IN MARKETING AREAS DEFINED BY FEDERAL MILK ORDERS, 1998 AND 1997 ANNUAL TOTALS 1/

Federal milk order marketing area	Whole milk products 2/			Fat-reduced milk products 3/			Total fluid milk products		
	1998		1997	1998		1997	1998		1997
	Quantity	Butter- fat content	Quantity	Quantity	Butter- fat content	Quantity	Quantity	Butter- fat content	Quantity
	Mil. lbs.	Percent	Mil. lbs.	Mil. lbs.	Percent	Mil. lbs.	Mil. lbs.	Percent	Mil. lbs.
NORTH ATLANTIC									
New England	4,077	3.24	4,162	5,435	1.11	5,437	9,512	2.02	9,599
New York-New Jersey	985	3.16	990	1,554	1.06	1,564	2,539	1.87	2,554
Middle Atlantic	2,112	3.26	2,171	2,099	1.11	2,099	4,211	2.19	4,369
	981	3.26	1,002	1,782	1.16	1,774	2,762	1.91	2,776
SOUTHEASTERN 5/									
Carolina	3,998	3.28	4,037	5,254	1.21	5,249	9,252	2.10	9,286
Tennessee Valley 4/8/	860	3.26	924	1,134	1.19	1,067	1,994	2.08	1,991
Southeast	---	---	179	---	---	374	---	---	553
Upper Florida	1,944	3.26	1,960	2,588	1.28	2,639	4,532	2.13	4,599
Tampa Bay	344	3.29	321	516	1.16	516	860	2.01	837
Southeastern Florida	360	3.31	352	535	1.09	549	895	1.98	901
	489	3.31	480	482	1.07	476	971	2.20	957
EAST NORTH CENTRAL									
Michigan Upper Peninsula	2,702	3.24	2,661	8,346	1.34	8,398	11,048	1.80	11,060
Southern Michigan	11	3.28	13	84	1.33	84	95	1.56	97
Eastern Ohio-Western Pa.	561	3.20	546	1,264	1.24	1,277	1,825	1.84	1,823
Ohio Valley	433	3.23	436	1,226	1.39	1,242	1,659	1.87	1,678
Indiana	486	3.22	486	1,352	1.43	1,384	1,838	1.91	1,870
Chicago Regional	238	3.31	229	928	1.38	927	1,166	1.77	1,155
Central Illinois	562	3.26	564	2,153	1.27	2,151	2,715	1.68	2,716
S. Ill.-E. Missouri	34	3.27	33	168	1.38	168	202	1.70	202
Louisville-Lex.-Evans.	200	3.21	190	697	1.36	693	897	1.77	882
	177	3.30	164	473	1.38	473	650	1.90	637

CONTINUED

See footnotes on pages 48 and 49.

TABLE 13--WHOLE MILK AND FAT-REDUCED MILK PRODUCTS SOLD IN MARKETING AREAS DEFINED BY FEDERAL MILK ORDERS, 1998 AND 1997 ANNUAL TOTALS 1/ -CONT.

Federal milk order marketing area	Whole milk products 2/			Fat-reduced milk products 3/			Total fluid milk products		
	1998		1997	1998		1997	1998		1997
	Quantity	Butter- fat content	Quantity	Quantity	Butter- fat content	Quantity	Quantity	Butter- fat content	Quantity
	Mil. lbs.	Percent	Mil. lbs.	Mil. lbs.	Percent	Mil. lbs.	Mil. lbs.	Percent	Mil. lbs.
<u>WEST NORTH CENTRAL</u>									
Upper Midwest	458	3.27	456	2,822	1.13	2,811	3,280	1.43	3,266
Eastern South Dakota	143	3.29	143	1,346	1.04	1,337	1,489	1.25	1,480
Iowa	11	3.27	11	100	1.27	100	111	1.47	111
Nebraska-Western Iowa	87	3.30	87	588	1.18	588	675	1.45	675
Greater Kansas City	83	3.26	83	387	1.21	389	471	1.57	472
	133	3.25	132	401	1.26	397	534	1.76	529
<u>WEST SOUTH CENTRAL</u>									
Southwest Plains	2,025	3.29	2,010	2,462	1.30	2,449	4,487	2.20	4,459
Texas	473	3.29	471	724	1.33	735	1,197	2.11	1,206
	1,552	3.29	1,539	1,738	1.28	1,714	3,290	2.23	3,253
<u>MOUNTAIN</u>									
Eastern Colorado	1,088	3.26	1,080	2,385	1.37	2,407	3,473	1.96	3,487
Western Colorado	199	3.26	199	524	1.31	530	723	1.85	729
S.W. Idaho-E. Oregon	22	3.30	20	61	1.39	58	83	1.89	78
Great Basin	32	3.28	32	146	1.44	145	178	1.78	176
Central Arizona	200	3.30	195	729	1.40	719	929	1.81	914
New Mexico-West Texas	295	3.20	282	639	1.37	665	934	1.95	947
	340	3.29	352	287	1.37	290	627	2.41	642
<u>PACIFIC</u>									
Pacific Northwest	380	3.26	366	1,836	1.34	1,873	2,216	1.67	2,239
	380	3.26	366	1,836	1.34	1,873	2,216	1.67	2,239
Combined areas 5/	14,728	3.26	14,772	28,541	1.25	28,623	43,268	1.93	43,396

See footnotes on pages 48 and 49.

TABLE 14--WHOLE MILK PRODUCTS AND FAT-REDUCED MILK PRODUCTS SOLD IN MARKETING AREAS DEFINED BY FEDERAL MILK ORDERS FOR MARKETS WHERE SUCH INFORMATION IS AVAILABLE, JANUARY 1999, WITH COMPARISONS 1/

Marketing area	Whole milk products 2/					Fat-reduced milk products 3/					Total fluid milk products				
	Jan 1999		Change 1999 from 1998		Year to date	Jan 1999		Change 1999 from 1998		Year to date	Jan 1999		Change 1999 from 1998		Year to date
	Sales	Butter-fat content	Jan	Percent		Sales	Butter-fat content	Jan	Percent		Sales	Butter-fat content	Jan	Percent	
	Mil. lb.					Mil. lb.					Mil. lb.				
<u>North Atlantic</u>															
New England	83.9	3.15	1.2-	1.2-		133.3	1.05	1.1-	1.1-		217.2	1.86	1.2-	1.2-	
Middle Atlantic	83.4	3.28	1.0-	1.0-		156.3	1.17	1.4	1.4		239.8	1.90	0.6	0.6	
Regional Total	167.3	3.21	1.1-	1.1-		289.7	1.11	0.2	0.2		457.0	1.88	.3-	.3-	
<u>Southeastern</u>															
Carolina	74.3	3.25	1.8	1.8		96.7	1.22	2.8-	2.8-		171.0	2.10	.8-	.8-	
Southeast	163.7	3.28	3.3-	3.3-		222.8	1.28	4.2-	4.2-		386.6	2.13	3.8-	3.8-	
Upper Florida	29.6	3.33	2.7	2.7		47.3	1.18	2.6	2.6		76.9	2.01	2.6	2.6	
Tampa Bay	30.2	3.33	6.6-	6.6-		46.9	1.10	9.7-	9.7-		77.1	1.97	8.5-	8.5-	
Southeastern Florida	42.1	3.32	.7-	.7-		43.6	1.07	.6-	.6-		85.7	2.18	.6-	.6-	
Regional Total	339.9	3.29	1.7-	1.7-		457.3	1.22	3.5-	3.5-		797.2	2.10	2.7-	2.7-	
<u>East North Central</u>															
Michigan Upper Peninsula	0.8	3.33	21.6-	21.6-		7.0	1.30	2.3-	2.3-		7.8	1.52	4.8-	4.8-	
Southern Michigan	48.1	3.23	2.0	2.0		113.2	1.25	1.4	1.4		161.3	1.84	1.6	1.6	
E. Ohio-W. Pa.	38.1	3.23	2.6	2.6		108.1	1.41	1.3	1.3		146.2	1.88	1.6	1.6	
Ohio Valley	43.1	3.19	.2-	.2-		117.3	1.44	3.0-	3.0-		160.4	1.91	2.2-	2.2-	
Indiana	21.6	3.31	9.4	9.4		82.2	1.39	.6-	.6-		103.8	1.79	1.3	1.3	
Chicago Regional	46.5	3.27	6.6-	6.6-		188.6	1.26	1.7-	1.7-		235.0	1.66	2.7-	2.7-	
Central Illinois	2.8	3.30	5.5-	5.5-		14.4	1.43	6.7-	6.7-		17.2	1.74	6.5-	6.5-	
S. Ill.-E. Missouri	17.7	3.21	5.4	5.4		61.8	1.37	1.2	1.2		79.5	1.78	2.1	2.1	
Louis.-Lex.-Evans	16.9	3.32	16.6	16.6		43.2	1.39	5.6	5.6		60.2	1.94	8.5	8.5	
Regional Total	235.7	3.24	1.4	1.4		735.7	1.35	.3-	.3-		971.4	1.81	0.1	0.1	

CONTINUED

See footnotes on pages 48 and 49.

TABLE 14--WHOLE MILK PRODUCTS AND FAT-REDUCED MILK PRODUCTS SOLD IN MARKETING AREAS DEFINED BY FEDERAL MILK ORDERS FOR MARKETS WHERE SUCH INFORMATION IS AVAILABLE, FEBRUARY 1999, WITH COMPARISONS 1/-CONT.

Marketing area	Whole milk products 2/					Fat-reduced milk products 3/					Total fluid milk products				
	Jan 1999		Change 1999 from 1998			Jan 1999		Change 1999 from 1998			Jan 1999		Change 1999 from 1998		
	Sales	Butter-fat content	Jan	Percent	Year to date	Sales	Butter-fat content	Jan	Percent	Year to date	Sales	Butter-fat content	Jan	Percent	Year to date
	Mil. lb.					Mil. lb.					Mil. lb.				
<u>West North Central</u>															
Upper Midwest	12.2	3.31	4-	4-	4-	115.5	1.02	1.7-	1.7-	1.7-	127.6	1.24	1.6-	1.6-	1.6-
Eastern South Dakota	1.0	3.30	1.2	1.2	1.2	8.8	1.27	6.5-	6.5-	6.5-	9.9	1.48	5.8-	5.8-	5.8-
Iowa	7.5	3.27	1.5-	1.5-	1.5-	51.3	1.17	2.3-	2.3-	2.3-	58.8	1.44	2.2-	2.2-	2.2-
Nebraska-Western Iowa	6.9	3.25	5.4-	5.4-	5.4-	32.9	1.22	4.4-	4.4-	4.4-	39.8	1.57	4.6-	4.6-	4.6-
Greater Kansas City	11.5	3.24	1.7-	1.7-	1.7-	35.6	1.25	0.0	0.0	0.0	47.1	1.73	.5-	.5-	.5-
Regional Total	39.0	3.27	1.9-	1.9-	1.9-	244.2	1.12	2.1-	2.1-	2.1-	283.2	1.42	2.1-	2.1-	2.1-
<u>West South Central</u>															
Southwest Plains	40.8	3.26	1.9-	1.9-	1.9-	64.4	1.31	1.4-	1.4-	1.4-	105.2	2.06	1.6-	1.6-	1.6-
Texas	132.7	3.30	.8-	.8-	.8-	154.1	1.28	0.2	0.2	0.2	286.8	2.22	.3-	.3-	.3-
Regional Total	173.5	3.29	1.1-	1.1-	1.1-	218.5	1.29	.3-	.3-	.3-	392.0	2.18	.6-	.6-	.6-
<u>Mountain</u>															
Eastern Colorado	17.5	3.27	4.1	4.1	4.1	45.4	1.28	.8-	.8-	.8-	62.9	1.84	0.5	0.5	0.5
Western Colorado	2.0	3.31	7.4	7.4	7.4	5.4	1.42	0.5	0.5	0.5	7.4	1.93	2.3	2.3	2.3
SW. Idaho-E. Oregon	2.8	3.33	7.1-	7.1-	7.1-	12.7	1.43	6.4-	6.4-	6.4-	15.6	1.77	6.6-	6.6-	6.6-
Great Basin	16.6	3.32	0.0	0.0	0.0	62.3	1.39	1.5-	1.5-	1.5-	78.9	1.80	1.2-	1.2-	1.2-
Central Arizona	25.4	3.25	8.0	8.0	8.0	57.5	1.36	1.4-	1.4-	1.4-	82.8	1.94	1.3	1.3	1.3
New Mex.-W. Texas	27.8	3.34	8.0-	8.0-	8.0-	24.9	1.39	9.7-	9.7-	9.7-	52.7	2.42	8.8-	8.8-	8.8-
Regional Total	92.0	3.30	0.1	0.1	0.1	208.3	1.36	2.6-	2.6-	2.6-	300.3	1.96	1.8-	1.8-	1.8-
<u>Pacific</u>															
Pacific Northwest	31.7	3.24	0.1	0.1	0.1	154.6	1.32	2.3-	2.3-	2.3-	186.3	1.65	1.9-	1.9-	1.9-
Regional Total	31.7	3.24	0.1	0.1	0.1	154.6	1.32	2.3-	2.3-	2.3-	186.3	1.65	1.9-	1.9-	1.9-
Combined Areas (30) 6/ 9/	1,079.2	3.26	.6-	.6-	.6-	2,308.2	1.26	1.4-	1.4-	1.4-	3,387.4	1.90	1.2-	1.2-	1.2-
Combined Areas Adj. for Calendar Composition 7/	1,096.9	---	2.6	2.6	2.6	2,334.6	---	1.2	1.2	1.2	3,435.9	---	1.8	1.8	1.8
New York-New Jersey	176.7	---	---	---	---	177.7	---	---	---	---	354.4	2.19	3.4-	3.4-	3.4-

See footnotes on pages 48 and 49.

TABLE 15--PACKAGED SALES OF INDIVIDUAL WHOLE MILK PRODUCTS AND FAT-REDUCED MILK PRODUCTS IN SELECTED MARKETING AREAS
DEFINED BY FEDERAL MILK ORDERS, JANUARY 1998 TO DATE, WITH COMPARISON 1/ 6/ 10/

Product Name	January				February				March			
	Sales	Bf. content	Change 1998 from 1997		Sales	Bf. content	Change 1998 from 1997		Sales	Bf. content	Change 1998 from 1997	
			Month	Year to date			Month	Year to date			Month	Year to date
	Mil. lb.		Percent		Mil. lb.		Percent		Mil. lb.		Percent	
Whole Milk Products 2/	1,086	3.25	3.1-	3.1-	966	3.27	0.9-	2.1-	1,059	3.26	0.3	1.3-
Whole Milk	1,039	3.24	3.4-	3.4-	922	3.26	1.4-	2.5-	1,010	3.25	0.0	1.7-
Flavored Whole Milk Products	47	3.46	4.5	4.5	44	3.53	11.8	8.0	49	3.42	8.6	8.2
Fat-Reduced Milk Products 3/	2,342	1.26	1.4-	1.4-	2,100	1.25	0.5-	1.0-	2,295	1.25	1.2	0.2-
Reduced Fat Milk (2%)	1,139	1.97	3.3-	3.3-	1,014	1.97	2.0-	2.7-	1,114	1.96	0.6-	2.0-
Lowfat Milk (1%)	372	0.99	2.3-	2.3-	328	0.99	2.0-	2.2-	358	0.99	0.5	1.3-
Fat-Free Milk (Skim)	594	0.15	0.7	0.7	540	0.15	2.6	1.6	588	0.14	1.7	1.6
Flavored Fat-Reduced Milk Products	184	1.04	7.6	7.6	169	1.03	3.1	5.4	183	1.05	16.1	8.8
Buttermilk	42	1.08	3.3-	3.3-	39	1.08	2.4-	2.9-	42	1.07	1.8-	2.5-
Total Fluid Milk Products	3,428	1.89	1.9-	1.9-	3,066	1.89	0.6-	1.3-	3,354	1.89	0.9	0.6-
Total Adjusted for Calendar Composition 7/	3,376	1.89	2.4-	2.4-	3,066	1.89	0.6-	1.5-	3,379	1.89	0.5-	0.8-
Product Name	April				May				June			
	Sales	Bf. content	Month	Year to date	Sales	Bf. content	Month	Year to date	Sales	Bf. content	Month	Year to date
Whole Milk Products 2/	1,015	3.26	1.4-	1.3-	1,022	3.26	3.6-	1.8-	1,031	3.26	4.5	0.8-
Whole Milk	964	3.25	1.9-	1.7-	971	3.25	4.1-	2.2-	974	3.25	3.3	1.3-
Flavored Whole Milk Products	50	3.47	7.8	8.1	51	3.46	7.7	8.0	57	3.49	29.9	11.6
Fat-Reduced Milk Products 3/	2,173	1.25	2.2-	0.7-	2,178	1.25	3.9-	1.4-	2,035	1.27	3.1	0.7-
Reduced Fat Milk (2%)	1,053	1.96	2.9-	2.2-	1,051	1.97	5.7-	2.9-	1,029	1.97	1.6	2.2-
Lowfat Milk (1%)	344	0.99	1.2-	1.3-	347	0.99	2.3-	1.5-	325	0.99	3.1	0.8-
Fat-Free Milk (Skim)	559	0.15	0.6-	1.1	564	0.15	2.0-	0.5	549	0.15	3.9	1.0
Flavored Fat-Reduced Milk Products	166	1.05	4.9-	5.2	163	1.05	1.6-	3.9	77	1.19	15.5	4.8
Buttermilk	41	1.09	2.2-	2.4-	41	1.09	5.3-	3.0-	43	1.15	9.7	1.0-
Total Fluid Milk Products	3,187	1.89	2.0-	0.9-	3,199	1.89	3.8-	1.5-	3,066	1.94	3.5	0.7-
Total Adjusted for Calendar Composition 7/	3,185	1.89	1.8-	1.1-	3,245	1.89	1.0-	1.0-	3,024	1.94	0.2	0.8-

CONTINUED

See footnotes on pages 48 and 49.

TABLE 15--PACKAGED SALES OF INDIVIDUAL WHOLE MILK PRODUCTS AND FAT-REDUCED MILK, PRODUCTS IN SELECTED MARKETING AREAS
DEFINED BY FEDERAL MILK ORDERS, JANUARY 1998 TO DATE, WITH COMPARISONS 1/6/ 10/-CONT.

Product Name	July			August			September		
	Sales	Bf. content	Change 1998 from 1997		Sales	Bf. content	Change 1998 from 1997		Sales
			Month	Year to date			Month	Year to date	
	Mil. lb.		Percent		Mil. lb.		Percent		Mil. lb.
Whole Milk Products 2/	1,075	3.26	2.2	0.3-	1,069	3.26	0.1	0.3-	1,052
Whole Milk	1,019	3.25	1.8	0.9-	1,012	3.25	0.6-	0.8-	995
Flavored Whole Milk Products	55	3.45	11.4	11.6	57	3.45	14.2	11.9	56
Fat-Reduced Milk Products 3/	2,082	1.28	1.1	0.5-	2,160	1.27	0.1-	0.4-	2,248
Reduced Fat Milk (2%)	1,060	1.97	1.1-	2.1-	1,083	1.97	1.5-	2.0-	1,079
Lowfat Milk (1%)	344	1.02	5.4	0.1	344	0.99	0.9	0.2	356
Fat-Free Milk (Skim)	561	0.15	1.8	1.1	569	0.15	0.6-	0.9	567
Flavored Fat-Reduced Milk Products	61	1.26	8.3	5.0	111	1.13	14.6	5.9	193
Buttermilk	42	1.11	0.9	0.7-	41	1.10	2.3-	0.9-	40
Total Fluid Milk Products	3,157	1.95	1.5	0.4-	3,229	1.93	0	0.4-	3,299
Total Adjusted for Calendar Composition 7/	3,122	1.95	1.0	0.6-	3,282	1.93	0.2	0.5-	3,291
Product Name	October			November			December		
	Sales	Bf. content	Change 1998 from 1997		Sales	Bf. content	Change 1998 from 1997		Sales
			Month	Year to date			Month	Year to date	
Whole Milk Products 2/	1,107	3.26	1.2	0.1-	1,032	3.25	0.8	0	1,101
Whole Milk	1,046	3.25	0.5	0.6-	974	3.25	0.4-	0.6-	1,043
Flavored Whole Milk Products	61	3.32	13.4	12.3	59	3.26	27.6	13.6	58
Fat-Reduced Milk Products 3/	2,365	1.26	0.4	0.4-	2,197	1.26	0.5	0.4-	2,268
Reduced Fat Milk (2%)	1,138	1.97	0.7-	1.9-	1,065	1.97	0.5-	1.8-	1,130
Lowfat Milk (1%)	374	0.99	1.1	0.3	346	0.99	1.7	0.4	357
Fat-Free Milk (Skim)	593	0.15	1.4	0.7	552	0.15	0.2-	0.6	568
Flavored Fat-Reduced Milk Products	205	1.05	3.8	4.9	178	1.07	6.6	5.1	155
Buttermilk	42	1.11	4.1-	1.7-	44	1.11	0.7-	1.6-	45
Total Fluid Milk Products	3,473	1.90	0.7	0.3-	3,229	1.90	0.6	0.2-	3,369
Total Adjusted for Calendar Composition 7/	3,421	1.90	0.2	0.3-	3,290	1.90	0.1-	0.3-	3,350

See footnotes on pages 48 and 49.

TABLE 16--PACKAGED SALES OF INDIVIDUAL WHOLE MILK PRODUCTS AND FAT-REDUCED MILK PRODUCTS IN SELECTED MARKETING AREAS
DEFINED BY FEDERAL MILK ORDERS, JANUARY 1999 TO DATE, WITH COMPARISONS 1/ 5/ 10/

Product Name	January				February				March			
	Sales	Bf. content	Change 1999 from 1998		Sales	Bf. content	Change 1999 from 1998		Sales	Bf. content	Change 1999 from 1998	
			Month	Year to date			Month	Year to date			Month	Year to date
Whole Milk Products 2/ Whole Milk	Mil. lb.		Percent		Mil. lb.		Percent		Mil. lb.		Percent	
Flavored Whole Milk Products	1,079	3.26	0.6-	0.6-								
	1,031	3.26	0.9-	0.9-								
	49	3.45	4.1	4.1								
Fat-Reduced Milk Products 3/ Reduced Fat Milk (2%)	2,308	1.26	1.4-	1.4-								
Lowfat Milk (1%)	1,132	1.97	0.6-	0.6-								
Fat-Free Milk (Skim)	365	0.99	2.0-	2.0-								
Flavored Fat-Reduced Milk Products	583	0.15	1.9-	1.9-								
Buttermilk	175	1.03	4.6-	4.6-								
	40	1.13	5.0-	5.0-								
Total Fluid Milk Products	3,387	1.90	1.2-	1.2-								
Total Adjusted for Calendar Composition 7/	3,376	1.90	1.8	1.8								

See footnotes on pages 48 and 49.

TABLE 17--PACKAGED SALES OF WHOLE MILK PRODUCTS, FAT-REDUCED MILK PRODUCTS, MILK AND CREAM MIXTURES, CREAM PRODUCTS, AND TOTAL FLUID PRODUCTS BY HANDLERS REGULATED UNDER FEDERAL MILK ORDERS, GROUPED BY REGION, DECEMBER 1998, WITH COMPARISONS 11/

Region 12/	Whole milk products 2/			Fat-reduced milk products 3/			Milk and cream mixtures			Cream products 13/			Total fluid products 14/		
	Sales	Bf. Content	Change 1998 from 1997 15/	Sales	Bf. Content	Change 1998 from 1997 15/	Sales	Bf. Content	Change 1998 from 1997 15/	Sales	Bf. Content	Change 1998 from 1997 15/	Sales	Bf. Content	Change 1998 from 1997 15/
	Mil. lb.	Percent		Mil. lb.	Percent		Mil. lb.	Percent		Mil. lb.	Percent		Mil. lb.	Percent	
North Atlantic	160	3.30	3.8-	289	1.12	2.4-	8.1	11.0	5.2-	10.7	22.0	8.9	484	2.59	2.8-
Southeastern	371	3.26	1.4	465	1.24	2.9-	8.2	14.9	7.0	7.8	21.0	0.6	867	2.48	1.2-
East North Central	261	3.23	1.6	754	1.37	0.5	12.8	11.0	1.0	30.0	20.1	9.4	1,101	2.53	0.8
West North Central	42	3.27	1.7	267	1.15	1.5	3.5	10.8	2.6	8.6	22.4	12.8-	327	2.14	1.0
West South Central	180	3.29	6.6	208	1.31	2.7	3.4	11.0	14.8-	4.6	27.8	41.5-	403	2.65	3.0
Mountain	94	3.29	4.4	211	1.39	3.3	5.8	10.7	29.9-	11.1	21.9	29.4	334	2.88	3.1
Pacific	30	3.29	3.4	151	1.35	.3-	3.6	10.8	4.1	7.5	20.3	7.2	208	2.58	0.5
Total of Regions	1,139	3.27	1.9	2,344	1.28	0.4	45.4	11.6	7.9-	80.1	21.4	2.5	3,725	2.54	0.6

See footnotes on pages 48 and 49.

TABLE 18--PACKAGED SALES OF WHOLE MILK PRODUCTS, FAT-REDUCED MILK PRODUCTS, MILK AND CREAM MIXTURES, CREAM PRODUCTS, AND TOTAL FLUID PRODUCTS BY HANDLERS REGULATED UNDER FEDERAL MILK ORDERS, GROUPED BY REGION, JANUARY 1999, WITH COMPARISONS 11/

Region 12/	Whole milk products 2/			Fat-reduced milk products 3/			Milk and cream mixtures			Cream products 13/			Total fluid products 14/		
	Sales	Bf. Content	Change 1999 from 1998 15/	Sales	Bf. Content	Change 1999 from 1998 15/	Sales	Bf. Content	Change 1999 from 1998 15/	Sales	Bf. Content	Change 1999 from 1998 15/	Sales	Bf. Content	Change 1999 from 1998 15/
	Mil. lb.	Percent		Mil. lb.	Percent		Mil. lb.	Percent		Mil. lb.	Percent		Mil. lb.	Percent	
North Atlantic	157	3.30	2.9-	287	1.11	2.6-	6.9	10.8	9.1-	8.6	22.3	1.3	467	2.39	2.9-
Southeastern	362	3.27	.6-	484	1.23	3.4-	7.0	14.5	33.4	5.7	23.0	8.6	862	2.34	2.2-
East North Central	260	3.23	4.0	775	1.36	0.4	10.7	10.9	7.4	20.5	18.7	6.5	1,109	2.25	1.3
West North Central	40	3.27	2.2-	263	1.13	2.1-	2.8	10.7	2.8-	5.9	21.8	17.4-	315	1.88	2.5-
West South Central	178	3.28	1.3-	223	1.29	3.8-	3.1	11.0	6.8-	4.8	23.9	23.2-	410	2.49	3.4-
Mountain	91	3.29	0.1	215	1.37	1.5-	8.2	11.2	14.4	6.2	22.6	.9-	325	2.55	.7-
Pacific	30	3.20	1.0	148	1.32	2.4-	3.1	10.8	3.2	5.3	18.6	1.1-	197	2.20	1.1-
Total of Regions	1,119	3.27	0.0	2,394	1.27	1.8-	41.8	11.5	6.7	57.0	20.8	1.7-	3,686	2.31	1.2-

See footnotes on pages 48 and 49.

TABLE 19--PACKAGED SALES OF MILK AND CREAM MIXTURES, CREAM PRODUCTS, YOGURT, AND EGGNOG BY HANDLERS REGULATED UNDER FEDERAL MILK ORDERS, JANUARY 1998 TO DATE, WITH COMPARISONS 11/12/

Product Name	January					February					March				
	Sales	Bf. content	Change 1998 from 1997 15/		Percent	Sales	Bf. content	Change 1998 from 1997 15/		Percent	Sales	Bf. content	Change 1998 from 1997 15/		Year to date
			Month	Year to date				Month	Year to date				Month	Year to date	
	1000 lb.					1000 lb.					1000 lb.				
Milk and Cream Mixtures	39,127	11.0	2.4	2.4	2.4	36,736	11.2	0.6	1.5	0.6	44,674	11.7	2.2	1.8	
Total Cream Products	57,971	21.2	1.7	1.7	1.7	54,117	22.2	5.5	3.5	5.5	65,336	21.2	3.7	3.6	
Light Cream	6,434	18.3	15.1	15.1	15.1	6,089	18.3	10.9	13.0	10.9	6,883	18.5	11.8	12.6	
Heavy Cream	15,516	36.9	2.5-	2.5-	2.5-	16,717	37.5	7.9	2.7	7.9	18,594	37.2	5.2-	0.3-	
Sour Cream	36,021	15.0	1.3	1.3	1.3	31,312	14.9	3.2	2.1	3.2	39,858	14.1	6.9	3.9	
Yogurt	79,174	1.9	12.1-	12.1-	12.1-	78,278	2.0	12.9-	12.5-	12.9-	95,171	1.9	1.1	7.8-	
Eggnog	4	9.9	---	---	---	0	---	---	---	---	172	6.0	---	---	
			April					May					June		
Milk and Cream Mixtures	41,851	11.1	6.1	2.9	6.1	42,168	11.1	6.7-	0.8	6.7-	42,556	11.6	8.2	1.9	
Total Cream Products	65,254	22.0	10.9	5.4	10.9	66,087	22.1	1.4	4.5	1.4	70,193	21.5	9.4	5.4	
Light Cream	6,934	18.4	13.6	12.8	13.6	7,169	18.5	5.9	11.3	5.9	7,904	18.4	15.8	12.1	
Heavy Cream	20,316	37.1	15.2	3.5	15.2	20,412	37.2	4.2	3.7	4.2	20,803	36.9	10.2	4.8	
Sour Cream	38,004	14.6	8.3	5.0	8.3	38,507	14.8	0.8-	3.7	0.8-	41,486	14.5	7.8	4.4	
Yogurt	86,252	1.8	5.9-	7.4-	5.9-	86,278	1.9	10.6	4.2-	10.6	91,572	1.5	1.3	3.3-	
Eggnog	136	6.1	---	---	---	0	---	---	---	---	0	---	---	---	

CONTINUED

TABLE 19--PACKAGED SALES OF MILK AND CREAM MIXTURES, CREAM PRODUCTS, YOGURT, AND EGGNOG BY HANDLERS REGULATED UNDER FEDERAL MILK ORDERS, JANUARY 1998 TO DATE, WITH COMPARISONS 11/12/--CONT.

Product Name	July			August			September		
	Sales	Bf. content	Change 1998 from 1997 15/		Sales	Bf. content	Change 1998 from 1997 15/		Change 1998 from 1997 15/
			Month	Year to date			Month	Year to date	
	<u>100 lb.</u>		<u>Percent</u>		<u>1000 lb.</u>		<u>Percent</u>		<u>Percent</u>
Milk and Cream Mixtures	42,383	11.1	3.6	2.2	41,211	11.1	0.6-	1.8	1.1- 1.5
Total Cream Products	68,161	22.1	4.4	5.2	64,785	21.7	1.4	4.8	0.4 4.3
Light Cream	7,714	18.4	7.7	11.4	7,516	18.3	6.7	10.8	19.7 11.8
Heavy Cream	21,049	36.6	8.3	5.3	19,049	36.8	0.6-	4.5	2.0- 3.8
Sour Cream	39,398	15.1	1.9	4.1	38,220	14.9	1.3	3.7	2.3- 3.0
Yogurt	88,653	1.6	4.0	3.4	89,893	1.5	4.5-	3.5-	9.6- 4.3-
Eggnog	0	---	---	---	11	8.4	---	---	7.0 ---
Product Name	October			November			December		
	Sales	Bf. content	Change 1998 from 1997 15/		Sales	Bf. content	Change 1998 from 1997 15/		Change 1998 from 1997 15/
			Month	Year to date			Month	Year to date	
Milk and Cream Mixtures	41,946	11.0	5.8-	0.7	44,915	11.2	3.2-	0.3	7.9- 0.5-
Total Cream Products	67,377	21.9	0.8-	3.7	74,863	22.1	2.3-	3.1	2.5 3.0
Light Cream	8,286	18.4	12.8	11.9	7,653	18.3	7.3	11.5	20.0 12.2
Heavy Cream	21,371	34.9	5.4	4.0	24,164	36.5	1.7-	3.3	12.1 4.2
Sour Cream	37,720	15.2	6.5-	2.0	43,046	14.6	4.1-	1.4	5.1- 0.7
Yogurt	84,574	1.5	0	3.9-	82,741	1.5	23.5	2.0-	9.2 2.5-
Eggnog	5,608	7.5	---	---	32,967	6.8	---	---	7.0 ---

See footnotes on pages 48 and 49.

TABLE 20--MILK, SKIM MILK, AND CREAM UTILIZED IN THE MANUFACTURE OF DAIRY PRODUCTS BY HANDLERS REGULATED UNDER FEDERAL MILK, ORDERS, GROUPED BY REGION, DECEMBER 1998, WITH COMPARISONS 16/

Region 12/	Butter			Total cheese			Frozen desserts			Cottage cheese			Nonfat dry milk			Total products 17/		
	Total	Bf. content	Change 1998 from 1997 18/	Total	Bf. content	Change 1998 from 1997 18/	Total	Bf. content	Change 1998 from 1997 18/	Total	Bf. content	Change 1998 from 1997 18/	Total	Bf. content	Change 1998 from 1997 18/	Total	Bf. content	Change 1998 from 1997 18/
	Mil. lb.	Percent		Mil. lb.	Percent		Mil. lb.	Percent		Mil. lb.	Percent		Mil. lb.	Percent		Mil. lb.	Percent	
North Atlantic	19	44.0	4.6	165	4.31	6.7	66	8.2	9.8-	12	2.71	35.8	135	0.06	6.9-	457	5.10	1.8
Southeastern	22	19.6	89.3-	12	4.24	55.0-	65	9.0	8.1	19	2.95	7.1	19/	---	---	190	8.08	12.3-
E. No. Central 20/	41	39.0	6.7-	452	3.90	58.1-	88	9.9	8.5	92	1.49	14.6-	88	0.11	95.3	918	5.46	33.0-
W. No. Central 20/	14	36.1	21.5	103	5.07	84.4-	28	12.8	12.8	19/	---	---	96	0.07	32.4	274	5.45	65.1-
W. So. Central 20/	14	40.1	37.5	85	5.08	53.8-	42	7.0	16.4-	15	0.82	22.3	19/	---	---	242	6.08	19.5-
Mountain 20/	9	42.3	14.7	266	4.37	35.2-	16	10.2	2.3-	23	0.54	5.1	19/	---	---	423	4.22	24.5-
Pacific	15	41.8	10.3-	182	4.23	26.1	10	14.3	4.1	19	0.82	8.1	19/	---	---	365	4.40	6.4
Total of Regions	134	36.9	1.1	1,265	4.37	53.6-	315	9.4	0.2	197	1.42	4.7-	587	0.10	17.9	2,869	5.31	30.3-

See footnotes on pages 48 and 49.

TABLE 21--MILK, SKIM MILK, AND CREAM UTILIZED IN THE MANUFACTURE OF DAIRY PRODUCTS BY HANDLERS REGULATED UNDER FEDERAL MILK, ORDERS, GROUPED BY REGION, JANUARY 1999, WITH COMPARISONS 16/

Region 12/	Butter			Total cheese			Frozen desserts			Cottage cheese			Nonfat dry milk			Total products 17/		
	Total	Bf. con- tent	Change 1999 from 1998 18/	Total	Bf. con- tent	Change 1999 from 1998 18/	Total	Bf. con- tent	Change 1999 from 1998 18/	Total	Bf. con- tent	Change 1999 from 1998 18/	Total	Bf. con- tent	Change 1999 from 1998 18/	Total	Bf. con- tent	Change 1999 from 1998 18/
	Mil. lb.	Percent		Mil. lb.	Percent		Mil. lb.	Percent		Mil. lb.	Percent		Mil. lb.	Percent		Mil. lb.	Percent	
North Atlantic	23	45.1	13.7	158	4.50	13.4	75	8.8	11.6-	12	1.54	5.3	171	0.06	4.5	495	5.28	3.1
Southeastern	22	21.9	32.7-	10	8.51	0.7	62	9.8	9.4-	22	2.49	2.1	13	0.29	14.4-	189	8.73	7.8-
E. No. Central 21/	45	38.5	2.3	1,268	3.93	17.7	81	10.3	14.1-	94	1.92	3.8-	66	0.12	68.4	1,695	4.89	6.9
W. No. Central 21/	18	35.3	26.0	1,069	3.92	12.2	23	17.5	3.0	19/	---	---	99	0.07	25.3	1,249	4.26	11.9
W. So. Central 21/	18	38.5	28.8	186	4.24	3.8	-48	6.8	20.4-	15	0.81	17.1-	33	0.35	199.8	347	5.64	2.1
Mountain 21/	12	42.2	23.4	417	4.24	6.6	-21	12.4	35.1	25	0.55	16.4	19/	---	---	628	4.18	1.9
Pacific	22	39.0	22.0	146	4.14	11.6	-11	14.8	12.7	19	0.63	17.8-	19/	---	---	378	4.48	5.8
Total of Regions	160	37.2	8.5	3,255	4.07	8.7	322	10.2	7.7-	201	1.50	6.3	688	0.09	33.9	4,980	4.85	5.3

See footnotes on pages 48 and 49.

TABLE 22--PERCENTAGE OF WHOLE MILK EQUIVALENT (MILKFAT BASIS) USED IN THE PRODUCTION OF MANUFACTURED DAIRY PRODUCTS, IN FEDERAL ORDER MARKETS, JANUARY 1998 TO DATE, WITH COMPARISONS 1/

Manufactured dairy product	January		February		March		April		May		June	
	1998	1997	1998	1997	1998	1997	1998	1997	1998	1997	1998	1997
<u>Percent</u>												
Butter	23.9	24.9	22.4	30.2	20.9	21.1	20.5	21.3	17.1	18.0	16.0	14.1
Cheese	53.1	53.2	54.9	40.2	55.2	53.7	55.1	55.6	58.5	57.3	43.1	59.0
Frozen desserts	15.4	15.2	15.9	21.1	17.0	17.7	17.9	16.4	17.7	18.0	30.7	20.1
Cottage cheese	1.2	1.1	1.4	1.4	1.5	1.2	1.4	1.3	1.4	1.3	1.8	1.4
All other 2/	6.4	5.6	5.4	7.1	5.4	6.3	5.1	5.4	5.3	5.4	8.4	5.4
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Manufactured dairy product	July		August		September		October		November		December	
	1998	1997	1998	1997	1998	1997	1998	1997	1998	1997	1998	1997
<u>Percent</u>												
Butter	19.6	12.6	22.1	17.8	17.4	22.7	24.7	18.6	31.3	19.2	32.5	23.4
Cheese	32.3	58.1	32.0	43.7	54.6	38.9	43.5	52.2	35.9	57.9	36.3	55.0
Frozen desserts	36.5	21.9	33.8	28.8	19.5	28.0	21.7	20.5	21.1	15.2	19.4	13.7
Cottage cheese	2.0	1.4	2.0	1.7	1.5	1.9	1.7	1.4	2.0	1.4	1.8	1.2
All other 2/	9.6	6.0	10.1	8.0	7.0	8.5	8.4	7.3	9.7	6.3	10.0	6.7
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

1/ Data represent whole milk equivalent based on milkfat content. Includes producer milk and other source milk used to produce manufactured dairy products in regulated pool plants as well as milk diverted and shipped to non-order plants for processing. Some of the data are partially estimated. Excludes New York-New Jersey.

2/ Milk, skim milk, and cream used in other manufactured dairy products, e.g. evaporated milk, condensed milk, dried products, and aerated cream; and milk, skim milk, and cream used in other food products as well as used in animal feed, dumped or spilled, plant loss, and miscellaneous products.

1/ Prices are for milk of 3.5 percent butterfat content and for the major city in the marketing area. All averages are weighted.

2/ For those markets which have multiple component pricing (see table 23), the prices represent the Basic Formula Price plus the weighted average differential price or producer price differential computed under the order.

3/ For the 21 marketing areas where it currently is in effect, this price is applicable to producer milk used to produce nonfat dry milk.

4/ Zone 1 (Boston). Price at 201-210 mile zone: Class I and blend, 72 cents less. Class I and blend price at Hartford, 10 cents less.

5/ New York metropolitan area. Price at 201-210 mile zone: Class I and blend, 72 cents less; Class II and Class III, 8 cents less.

6/ Philadelphia, Baltimore, and Washington, D.C. Price excludes a 6-cent direct delivery differential applicable to milk delivered to the Philadelphia area.

7/ Charlotte.

8/ Zone 7 (Atlanta and Birmingham). Class I and blend price at Little Rock, 31 cents less; and at New Orleans, 57 cents more.

9/ Figures exclude, where applicable, Upper Florida, Southeastern Florida, Eastern South Dakota, and Western Colorado; some of the data used to weight the monthly prices are restricted. The individual Class I and blend price data for these markets are shown below. Class II and Class III prices are the same as the prices shown in the table for Carolina. Figures also exclude Greater Kansas City. Some of the data used to weight the monthly prices are restricted.

Marketing area	January				February			
	Class I		Blend		Class I		Blend	
	1999	1998	1999	1998	1999	1998	1999	1998
	-----Dollars-----							
Upper Florida	20.42	16.54	20.05	16.33	20.92	16.87	20.92	16.79
S. E. Florida	21.02	17.14	20.56	16.81	21.52	17.47	21.11	17.11
E. S. Dakota	18.34	14.46	17.05	13.75	18.84	14.79	13.84	13.95
W. Colorado	18.84	14.96	18.53	14.64	19.34	15.29	18.22	15.00

- 10/ Zone II (Marquette).
- 11/ Individual handler pool. Blend prices are weighted average of all handlers.
- 12/ Zone 1 (Detroit). Price excludes a 10-cent direct delivery differential applicable to milk delivered to the Detroit metropolitan area.
- 13/ Cleveland and Pittsburgh.
- 14/ Zone 3 (Columbus). Class I and blend price at Cincinnati (Zone 4) 7 cents more.
- 15/ Indianapolis.
- 16/ Zone 1 Chicago). Class I and blend price at Milwaukee (Zone 4) 9 cents less.
- 17/ Peoria.
- 18/ Base Zone (Alton). Class I and blend price at Carbondale (Southern Zone) and at St. Louis 9 cents more.
- 19/ Zone 1 (Minneapolis).
- 20/ Zone 1 (Des Moines).
- 21/ Zone 1 (Omaha).
- 22/ Kansas City and Topeka.
- 23/ Zone 1 (Oklahoma City). Class I and blend price at Springfield, Mo., 58 cents less.
- 24/ Zone 1 (Dallas). Class I and blend price at Houston, 54 cents more.
- 25/ Denver.
- 26/ Boise, Idaho.
- 27/ Salt Lake City, Utah.
- 38/ Phoenix.
- 29/ Albuquerque, Santa Fe, and El Paso.
- 30/ Zone 1 (Seattle and Portland).

FOOTNOTES FOR TABLES 4 THROUGH 11.

1/ Prices are for milk of 3.5 percent butterfat content and for the major city in the marketing area. See footnotes on pages 46 and 47 for location at which price is reported. All averages are weighted.

2/ Figures exclude, where applicable, Upper Florida, Southeastern Florida, Eastern South Dakota, and Western Colorado; some of the data used to weight the monthly prices are restricted.

3/ Figures exclude price data for Greater Kansas City and receipts and utilization data for Greater Kansas City-Eastern South Dakota, where applicable. See 8/.

4/ Data are a summation or weighted average of the Tampa Bay, Upper Florida, and Southeastern Florida marketing areas. The data are combined in order to mask the data for Upper Florida, which are restricted.

5/ In these marketing areas, milk was not pooled in 1999 due to disadvantageous price situations. See 4/ on page 5.

6/ In these marketing areas, milk was not pooled in 1998 due to disadvantageous price situations and/or qualification circumstances. See 4/ on page 5.

7/ The data for these marketing areas are combined in order to mask restricted data. See table 1 for complete marketing area name.

8/ Class I and Class II receipts and utilization data are restricted for the Greater Kansas City-Eastern South Dakota area.

FOOTNOTES FOR TABLES 12 THROUGH 21.

1/ In-area sales include total sales in each of the areas by handlers regulated under the respective order, by handlers regulated under other orders, by partially regulated handlers, and by producer-handlers. Sales routes of handlers may extend outside defined marketing areas; therefore, some handlers' in-area sales are partially estimated.

2/ Plain, flavored, and miscellaneous whole milk products.

3/ Plain, fortified, flavored, and miscellaneous fat-reduced milk products, and buttermilk.

4/ Effective October 1, 1997, the order regulating this marketing area was terminated.

5/ Comparable markets are markets where the orders were in effect the entire period 1997-98, and for which the data were not affected significantly by marketing area changes. Excludes Tennessee Valley; see 4/.

6/ Excludes New York-New Jersey.

7/ Figures adjusted to eliminate variation in data due to calendar composition.

8/ Data for 1997 are for January through September; see 4/.

9/ Comparable markets are markets where the orders were in effect the entire period 1998-99, and for which the data were not affected significantly by marketing area changes. All markets are comparable.

10/ See table 12 for marketing areas included; excludes New York-New Jersey and Tennessee Valley.

11/ Total packaged disposition, in and out of the marketing area, by regulated handlers. Besides receipts from producers, these dispositions also may include receipts from other Federal order plants and/or receipts from other sources. However, sour cream, yogurt, and eggnog are reported on a used-to-produce basis.

FOOTNOTES FOR TABLES 12 THROUGH 21.-CONTINUED

12/ See table 12 for marketing areas included; excludes New York-New Jersey and Tennessee Valley.

13/ Light, heavy, and sour cream, and cream dips.

14/ In addition to listed fluid milk and cream products, includes yogurt and eggnog.

15/ Percent changes are based on the same group of comparable markets--markets where the orders were in effect the entire applicable two year period. For the 1997-98 period, excludes Carolina, Tennessee Valley, Southeast, and Louisville-Lexington-Evansville. For the 1998-99 period, all markets are comparable.

16/ Includes producer milk and other source milk used to produce manufactured dairy products in regulated pool plants, as well as milk diverted and shipped to non-order plants for processing. Other source milk at regulated plants includes bulk transfers and diversions from other Federal orders, and receipts from unregulated sources. Some of the data are preliminary and partially estimated.

17/ In addition to listed manufactured products, includes milk, skim milk, and cream used in other manufactured dairy products, e.g., evaporated milk, condensed milk, dried products, aerated cream, and skim milk equivalent used to fortify fluid milk products; milk, skim milk, and cream used in other food products as well as used in animal feed, dumped or spilled, plant loss, and miscellaneous products.

18/ Percent changes over the previous year are based on the same group of comparable markets--markets where the orders were in effect the entire applicable two year period, and for which the data were not affected significantly by marketing area changes. For the 1997-98 period, excludes Carolina, Tennessee Valley, and Southeast; see 4/. For the 1998-99 period, all markets are comparable. These changes are based on pounds of butterfat, except for nonfat dry milk which are based on pounds of skim milk.

19/ Restricted.

20/ The marketing areas in which milk was not pooled in December 1997 and 1998 due to disadvantageous price situations were in these regions. See 2/ on page 7.

19/ The marketing areas in which milk was not pooled in January 1998 and 1999 due to disadvantageous price situations were in these regions. See 2/ on page 7.

TABLE 23--FEDERAL MILK ORDER MILK COMPONENT PRICES AND TESTS IN VARIOUS MARKETING AREAS, JANUARY AND FEBRUARY 1/

Federal milk order marketing area	Weighted Average Differential Price		Butterfat Price		Producer Nonfat Milk Solids/Other Solids Price $\frac{\text{¢}}{\text{lb.}}$		Producer Protein Price		Producer Nonfat Milk Solids/Other Solids Test $\frac{\text{¢}}{\text{lb.}}$		Producer Protein Test	
	Jan	Feb	Jan	Feb	Jan	Feb	Jan	Feb	Jan	Feb	Jan	Feb
	Dol. per cwt. ----- Dol. per lb. ----- Percent -----											
Middle Atlantic	0.91	5.73	1.4853	1.4445	1.2600	0.6000	---	---	8.77	8.74	---	---
Southern Michigan $\frac{3}{4}$ /	0.96	5.71	1.4848	1.4441	---	---	2.3225	1.7173	---	---	3.28	3.25
E. Ohio-W. Pa.	1.44	5.48	1.4800	1.4400	---	---	3.3700	1.6100	---	---	3.28	3.25
Ohio Valley	1.59	6.52	1.4800	1.4400	---	---	3.3500	1.6000	---	---	3.33	3.29
Indiana	1.50	7.03	1.4800	1.4400	---	---	3.3400	1.6000	---	---	3.32	3.26
Chicago Regional $\frac{3}{5}$ /	0.50	1.88	1.4848	1.4441	0.6427	0.0000	2.3225	1.6072	5.47	5.48	3.23	3.18
Upper Midwest $\frac{3}{5}$ /	0.23	1.40	1.4848	1.4441	0.6427	0.0000	2.3225	1.6072	5.51	5.53	3.25	3.21
E. South Dakota $\frac{3}{5}$ /	0.78	3.57	1.4848	1.4441	0.6427	0.0000	2.3225	1.6072	$\frac{6}{6}$	$\frac{6}{6}$	$\frac{6}{6}$	$\frac{6}{6}$
Iowa $\frac{3}{5}$ /	0.39	2.77	1.4848	1.4441	0.6427	0.0000	2.3225	1.6072	5.50	5.52	3.29	3.24
Nebr.-Western Iowa $\frac{3}{5}$ /	0.01	3.60	1.4848	1.4441	0.6427	0.0000	2.3225	1.6072	5.52	5.54	3.32	3.26
SW. Idaho-E. Oregon	0.04	0.56	1.4800	1.4400	---	---	3.3900	1.6200	---	---	3.31	3.30
Great Basin	1.17	4.46	1.4800	1.4400	---	---	3.4000	1.6200	---	---	3.26	3.24
Pacific Northwest $\frac{3}{5}$ /	-0.05	4.20	1.4848	1.4441	0.6298	0.0000	2.3225	1.6072	5.49	5.48	3.26	3.27

1/ The orders regulating these marketing areas require that producers be paid on the basis of the weighted average differential, the price per pound for butterfat, and either the price per pound for protein, protein and other solids, or nonfat milk solids. 2/ The Middle Atlantic order requires that producers be paid on the basis of nonfat milk solids. The Chicago Regional, Upper Midwest, Eastern South Dakota, Iowa, Nebraska-Western Iowa, and Pacific Northwest orders require that producers be paid on the basis of other solids. 3/ Instead of a weighted average differential price, this order calculates a producer price differential. 4/ For this order a fluid carrier price is determined. For January and February, these prices are \$3.76 and \$-0.36 per hundredweight, respectively. 5/ The somatic cell adjustment rates per 1000 somatic cell count for this order for January and February are \$0.00088 and \$0.00065, respectively. 6/ Restricted.

TABLE 24--FACTORS USED IN THE COMPUTATION OF CLASS III-A PRICES IN FEDERAL MILK ORDER MARKETS,
JANUARY 1999 TO DATE ^{1/}

Month	Butterfat Differential	Nonfat Dry Milk Price		Modified Yield Factor ^{6/}		Class III-A Price ^{7/}	
		Central States ^{2/} ^{3/}	Western ^{4/} ^{5/}	Central States ^{3/}	Western ^{5/}	Central States ^{8/} ^{9/}	Western ^{8/}
<u>1999</u>	Dollars per 0.1 percent butterfat	Dollars per pound		Pounds per hundredweight		-----Dollars per hundredweight-----	
January	0.137	1.0893	1.0914	8.63	8.63	13.12	13.14
February	0.139	1.0437	1.0392	8.62	8.62	12.78	12.75
March	0.132	1.0239	1.0207	8.61	8.61	12.36	12.33
April	0.095	1.0228	1.0105	8.61	8.60	11.06	10.94
May							
June							
July							
August							
September							
October							
November							
December							

^{1/} This pricing provision is currently in effect in 21 marketing areas. See table 2 in this report for the affected marketing areas. This price is applicable to producer milk used to produce nonfat dry milk.

^{2/} "Dairy Market News," AMS.

^{3/} This price series is used in the computation of the modified yield factor and Class III-A Prices in all but 3 of the 21 affected marketing areas. See ^{1/}.

^{4/} This price is determined by AMS from combining price series published in "Dairy Market News".

^{5/} This price series is used in the computation of the modified yield factor and Class III-A Prices in the western marketing areas. See ^{1/}.

^{6/} 9 less (0.4 divided by the applicable nonfat dry milk price).

^{7/} (Butterfat differential times 35) plus [(applicable nonfat dry milk price less 12.5 cents) times the applicable modified yield factor].

^{8/} See table 2 to find the marketing areas that use this nonfat dry milk price series.

^{9/} New England, New York-New Jersey, and Middle Atlantic also use a seasonal adjustment in the computation of Class III-A prices.

TABLE 25--PRODUCER DELIVERIES OF MILK USED IN CLASS III-A BY HANDLERS REGULATED UNDER FEDERAL ORDERS, BY SELECTED FEDERAL MILK ORDER MARKETING AREA AND REGION, JANUARY 1999 TO DATE

Federal milk order marketing area 1//Region	January 1999	February 1999	March 1999	April 1999	May 1999	June 1999	July 1999
-----Thousand pounds-----							
New England	63,376	61,699					
New York-New Jersey	31,474	27,678					
Southeast	21,182	28,599					
East 2/	254,416	234,619					
Southern Michigan	28,080	41,779					
Indiana	12,443	15,399					
Chicago Regional	21,750	1,467					
Upper Midwest	26,558	3,993					
Midwest 3/	169,544	144,396					
West 4/	336,037	310,613					
All Market Total	759,957	639,628					
Federal milk order marketing area 1//Region	August 1999	September 1999	October 1999	November 1999	December 1999	Year to date 1999	Year to date 1998
-----Thousand pounds-----							
New England						125,075	139,111
New York-New Jersey						59,152	71,356
Southeast						49,781	41,310
East 2/						489,035	459,731
Southern Michigan						69,859	47,352
Indiana						27,842	14,902
Chicago Regional						23,217	13,658
Upper Midwest						30,551	44,819
Midwest 3/						313,940	249,835
West 4/						646,650	763,613
All Market Total						1,419,625	1,473,179

1/ The marketing areas shown are the marketing areas for which the data is available and unrestricted.

2/ The marketing areas included in this region are shown on table 2 under the North Atlantic and Southeastern regions.

3/ The marketing areas included in this region are shown on table 2 under the East North Central and West North Central regions.

4/ The marketing areas included in this region are shown on table 2 under the West South Central, Mountain, and Pacific regions.

TABLE 26--FACTORS USED IN THE DETERMINATION OF THE BASIC FORMULA PRICE, JANUARY 1999 TO DATE

Basic Formula Price for the Month	Dairy Product Wholesale Prices					Production in Minnesota and Wisconsin ^{3/}		Base Month Price Information ^{4/}			
	Butter ^{1/}		Cheddar Cheese	Nonfat Dry Milk ^{1/}	Dried Butter- milk ^{1/}	American Cheese	Nonfat Dry Milk	Price at Test	Butter- fat Test	Protein Test	Solids Not Fat Test
	Chicago Mercantile Exchange	National Agricultural Statistics Service ^{2/}	Western Area	Western Area	30% Minimum Protein						
	Grade AA	Grade A ^{5/}	40-lb. Blocks	Low/Med Heat							
	-----Dollars per pound-----					---Thousand pounds---		Dol. Per cwt. -----Percent-----			
Jan.	1.4222	1.3322	1.7595	1.0528	0.8158	135,104	2,337	17.92	3.93	3.30	8.66
Feb.	1.3153	1.2253	1.3010	1.0257	0.7163	128,346	2,916	15.28	3.91	3.26	8.66
Mar.	1.2927	1.2027	1.3092	1.0100	0.6944	122,603	1,956	12.05	3.86	3.21	8.63
Apr.	1.0298	0.9398	1.3131	1.0009	0.6845	136,143	2,010	12.34	3.86	3.21	8.63
May											
June											
July											
Aug											
Sept.											
Oct.											
Nov.											
Dec.											
Av.											

^{1/} "Dairy Market News," AMS. ^{2/} A monthly average price is determined by AMS by volume weighting the weekly prices. ^{3/} The production in the States of Minnesota and Wisconsin combined for the prior month as first published in "Dairy Products," NASS. ^{4/} The price paid to producers for manufacturing grade milk by plants in Minnesota and Wisconsin for the prior month as surveyed by NASS. ^{5/} Effective June 26, 1998, the Chicago Mercantile Exchange discontinued trading on Grade A butter. The Secretary of Agriculture has determined that the Chicago Mercantile Exchange Grade AA butter price less nine cents is equivalent to the discontinued Grade A price, effective June 26. See "Summary of Federal Milk Order Actions, June 1998, Revised" in FMOS-427.

TABLE 27--BASIC FORMULA PRICE, AND RELATED INFORMATION, JANUARY 1999 TO DATE

Month	Applicable Base Month Price at 3.5% <u>1/</u>	Change in Product Price Formula <u>2/</u>	Basic Formula Price <u>3/</u>	Basic Formula Price at Test for Determining		Basic Formula Price: Milk Component Contents		Butterfat Differential <u>6/</u>
				Butterfat Differential <u>4/</u>	Component Pricing <u>5/</u>	Butterfat	Protein	Solids Not Fat
				-----Dollars per 100 pounds-----		-----Percent-----		Cents per 0.1 percent butterfat
Jan.	17.35	-1.08	16.27	16.84	16.79	3.88	3.26	8.64
Feb.	14.72	-4.45	10.27	10.83	10.78	3.87	3.23	8.63
Mar.	11.55	+0.07	11.62	12.12	12.08	3.85	3.19	8.62
Apr.	11.86	-0.05	11.81	12.29	12.13	3.84	3.18	8.62
May								
June								
July								
Aug.								
Sept.								
Oct.								
Nov.								
Dec.								
Average								

1/ The applicable base month is the month prior to the month for which the Basic Formula Price (BFP) is announced.

2/ The change in the gross value of milk between the base month and the BFP month as determined by using various product prices, yield factors, and weighting by American cheese and nonfat dry milk production in Minnesota and Wisconsin.

3/ The BFP is the applicable base month price at 3.5% updated by the change in the product price formula. The BFP establishes minimum prices under all Federal milk orders.

4/ This price is determined by adjusting the applicable base month price at test by the change in the product price formula.

5/ This price is determined by adjusting the BFP at 3.5% to the BFP estimated butterfat percent using the current month butterfat differential. This price is used to determine the other solids price in Federal orders that use component pricing.

6/ The differential is determined by the following formula: (.138 X Chicago Mercantile Exchange Grade A butter price) - (.0028 X Basic Formula Price at test for determining the butterfat differential).

HOW FEDERAL MILK ORDER MARKET STATISTICS ARE DEVELOPED AND WHAT THEY MEAN

The statistical data collected under the Federal milk order program make up an important segment of the information needed to administer the orders. These data also provide comprehensive information on milk supplies, utilization, and sales, as well as prices established under the various milk orders.

Statistical Bulletin No. 248, "Federal Milk Order Market Statistics, 1947-56," and annual compilations thereafter contain historical data about Federal milk orders. More current information is available to the public through the bi-monthly, "Federal Milk Order Market Statistics".

WHAT IS A FEDERAL MILK MARKETING ORDER?

A Federal milk marketing order is a regulation issued by the Secretary of Agriculture. Its purpose is to stabilize markets by placing certain requirements on the handling of milk in the area it covers. It is established under the authority of the Agricultural Marketing Agreement Act of 1937, as amended. It requires milk handlers in a marketing area to pay not less than certain minimum class prices established according to how the milk is utilized. These prices are established under the order after a

public hearing at which evidence is received on the supply and demand conditions for milk in the market. A milk order, including the pricing provisions and all other provisions, becomes effective only after approval by dairy farmers. It requires that payments for milk be pooled and paid to individual farmers or cooperative associations of farmers on the basis of a uniform or average price.

WHY ARE FIGURES COLLECTED?

So that a determination can be made as to the amount of milk that handlers use in each price class, handlers are required to file monthly reports showing their receipts of milk from each source and the quantity used or disposed of in each form. Receipts of milk directly from farms and receipts from other plants are reported separately. All major fluid milk products and manufactured milk products are listed on the report form, and handlers are required to specify the volume and butterfat content of all milk used in each product. From these reports, data are compiled and totaled for each market.

On the basis of these reports, the market administrator makes preliminary computations of each

handler's obligation and calculates the minimum price the handler must pay producers. The market administrator is the Federal official in each market who, with the assistance of a staff, administers the terms of the Federal orders.

ARE FIGURES VERIFIED?

Following the receipt of reports from handlers and the computation of the preliminary statement of handlers' obligations, the market administrator sends auditors to handlers' plants, where they examine books and records of plant operations to determine whether milk actually was used as reported and whether required payments were made to producers. Thus, reported data are subject to audit.

Since Federal milk order statistics are developed from complete records of the quantities of milk priced under Federal orders rather than sample data, they provide reliable market information. In using these data, however, it is important to understand the character of fluid milk markets, the scope of data collected and reported under Federal orders, and certain limitations in the use of the data.

FEDERAL MILK ORDER TERMS

MARKETING AREA

A marketing area is a designated trading area within which the handling of milk is regulated by the Federal order. Generally, the size of the marketing area is determined by the sales territory of competing handlers.

PRODUCER

A producer is usually any dairy farmer who sells milk to a pool handler. Producers must not be producer-handlers; they must produce milk in compliance with grade A or similar inspection requirements, and their milk must be either received at a pool plant or diverted to a nonpool plant for the account of a pool handler.

HANDLER

A handler is a person or business entity, either a milk processor or a milk distributor, who is subject to the provisions of the order. Under most orders, a handler is any milk dealer whose plant is approved by a duly constituted health authority and who disposes of grade A fluid milk products in the marketing area.

Handers include persons who sell milk to other milk dealers as well as persons who sell milk to consumers and retailers.

Federal milk orders provide for three general types of handlers. A description of each type follows:

Operators of pool plants (pool handler)

Operators of pool plants must meet minimum performance standards included in each order and are subject in full to the provisions of an order. There are three types of pool plants--distributing plants, supply plants, and cooperative association plants.

Operators of nonpool plants

Nonpool plants are those from which fluid milk products are disposed of in the marketing area or distributed to pool plants but which do not meet requirements for pooling. There are four types of nonpool plants--other order plants, producer-handler plants, partially regulated distributing plants, and unregulated supply plants.

Cooperative associations

Cooperatives that operate pool plants qualify as handlers. Also, a cooperative may have pool handler status under most Federal milk marketing orders if it either diverts

producer milk or delivers its members' bulk tank milk directly to pool plants.

CLASSES OF MILK

Classes of milk utilization are defined in each Federal order. All orders provide for three classes. In general, milk disposed of by a handler as whole milk, lowfat milk, or skim milk is classified as class I. If milk is disposed of as fluid cream or used in soft manufactured products such as cottage cheese and frozen desserts, it is class II; and if it is disposed of in hard manufactured products such as cheese, butter, and milk products in dry form, this milk is class III. Some orders provide for a fourth class of milk utilization--class III-A. Class III-A includes producer milk used to produce nonfat dry milk. (For complete information on Federal milk order provisions, see U.S. Code of Federal Regulations, Title 7, Parts 1000 to 1199.)

WHAT IS INCLUDED IN RECEIPTS, SALES, AND PRICES?

RECEIPTS

Federal milk order statistics include volumes of milk received by handlers regulated under each of the Federal orders. The volume of milk, reported as received by handlers from producers, includes all such milk

regardless of where it may be sold. Milk identified as that received from producers for a given market may come directly from nearby producers or from producers associated with a supply plant which, although located several hundred miles from the marketing area, is pooled in the market.

Class I producer milk is the milk delivered by producers for which handlers were required to pay the minimum class I price established by the orders. Total (or gross) class I milk includes any milk from sources other than producers that is assigned to class I.

SALES

In Federal milk order market statistics, an important distinction is made between sales of fluid milk products in a marketing area and dispositions of fluid milk and cream products by handlers regulated in a market. The latter are total dispositions by handlers fully regulated under an order. Dispositions both inside and outside the defined marketing area of that order are included. Besides receipts from producers, these dispositions also may include receipts from other Federal order plants and/or receipts from other sources.

On the other hand, "in-the-marketing-area" fluid milk sales (whole milk items and lowfat and skim milk items) represent sales in each of the marketing areas by handlers regulated under the respective order, by handlers regulated under other Federal orders, by partially regulated handlers, and by producer-handlers. These data are useful in appraising trends in the sales of fluid milk products and in the per capita consumption of fluid milk products in the Federal order marketing area.

Order amendments may change marketing areas. In these instances, "in-the-marketing-area" sales may be estimated for partial-year periods to permit accurate year-to-year comparisons of sales data.

PRICES

All prices reported for Federal milk order markets are the minimum prices required to be paid under order terms. Handlers may pay prices in excess of these minimum amounts. Any such payments in excess of Federal order prices are in no way enforced by Federal milk orders and are not reported in Federal milk order statistics.

Class I prices

In all markets, the class I price is based on the Basic Formula Price. To this price is added a fixed differential stated in the order.

Manufacturing class prices

Prices for producer milk used in classes other than class I for the most part are related to the Basic Formula Price. Class II prices are determined by adding a \$.30 differential to the Basic Formula Price. For most orders, the class III price is the Basic Formula Price. In those orders that provide for class III-A, a product price formula is used to set the price.

Uniform (blend) prices

In Federal order markets, minimum prices required to be paid to producers are termed uniform or "blend" prices. In markets where marketwide pools are used, the blend price is the weighted average of all class values of milk used by all handlers, and all producers must be paid at least this average price per hundredweight, subject to butterfat and location adjustments. For orders that provide for individual handler pools, the blend price reported in statistics for each market is a weighted average of all such individual handler's blend prices. In markets where producer prices were

established in terms of a base price and an excess price, the blend price reported represented the weighted average of base and excess payments. In 13 orders, producer prices are based on the value of the components in the milk that they market. These components include butterfat, as well as solids not fat, or protein, or protein and other solids. In these orders, the price received by producers is dependent on the weighted average differential or producer price differential, the price per pound for butterfat, and either the price per pound for solids not fat, protein, or protein and other solids. Some orders also adjust for the somatic cell count in the milk.

Location adjustments (differentials)

The class I price announced by the market administrator is subject to adjustment, depending on the location of the plant. Nearly all orders provide for a downward adjustment of prices at plants that are distant from the major consuming centers. This reflects the cost of hauling milk to the city. Generally, class I prices are progressively lower with increasing distance from the basing point (usually the major city in the marketing area).

Blend prices and base prices paid to producers are subject to adjustment, depending on the location of the plant

where producers ship their milk. The adjustment is the same as the location adjustments applied to the class I price.

Butterfat differentials

Most Federal order prices are quoted on a 3.5-percent butterfat basis. To adjust prices for a higher or lower butterfat content, a butterfat differential is used. The butterfat differential is the amount by which the applicable price is increased or decreased for each one-tenth of 1 percent that the butterfat content of the milk is above or below 3.5 percent. The butterfat differential does not represent the value of butterfat, but reflects the difference between the values of 0.1 pound of butterfat and 0.1 pound of skim milk.

COMPARABILITY OF STATISTICS

To ensure that certain changes in the statistics for Federal milk order

markets can be measured comparably, they are summarized to show data for a group of markets that have been in continuous regulation from January 1 of one year through December 31 of the following year, and for which the data have not been affected significantly by marketing area changes. This group of markets is called "comparable markets". However, for a particular market, the comparability of data (producer receipts, class I utilization, milk disposed of in fluid milk and cream products and in manufactured products) can be affected by changes in order provisions other than marketing area changes. These may include changes in classification, pricing, handler definitions, and the like. Also, noticeable differences can occur because of changes in marketing practices that result in changes in the number of producers or plants associated with the particular Federal order market concerned.

FLUID MILK SALES BY SIZE AND TYPE OF CONTAINER AND BY METHOD OF DISTRIBUTION*

Fluid milk processing plants regulated under Federal milk orders process slightly more than three-quarters of all the fluid milk products sold in the United States. During 1997, this volume totaled 43.9 billion pounds, or 5.1 billion gallons. Given this relationship, the types and sizes of containers and methods of distribution used to market fluid milk products under Federal milk orders should be representative of the entire country.

In order to obtain information on the types and sizes of containers in which fluid milk products are sold, and methods of distribution through which they are sold, a survey was made of fluid milk sales in the 31 Federal milk order marketing areas during November 1997. This article summarizes the major findings. ^{1/} Although the survey was taken in November, the findings are representative of other months of the year. One exception would be sales in half-pint containers which would not be applicable to sales in a nonschool month.

Some highlights of this survey, with comparisons to previous years are:

(1) The proportion of fluid milk products sold in plastic containers increased, continuing the long-term trend in evidence since this survey was first taken in 1963. The 3 percentage point increase pushed the market share of plastic to 79 percent. Sales of fluid milk in paper containers accounted for 21 percent of total sales, while glass containers accounted for less than one-half

of one percent of total sales. (See table A.)

(2) The proportion of fluid milk products sold in plastic increased significantly for nearly all container sizes. The market share of plastic pint containers increased by 10.5 percentage points to 18.7; the introduction of resealable, milk bottle shaped containers likely contributed largely to this increase. The market shares for plastic half-gallons increased by 6.1 percentage points and plastic quarts increased 5.5 percentage points to 57.4 and 8.5, respectively. (See table E.)

(3) In all regions of the country, more fluid milk products were sold in plastic containers than in paper and glass combined. Market shares of plastic ranged from over 67 percent in the North Atlantic region to almost 84 percent in the Southeastern region. Glass containers accounted for less than 1 percent of total sales in all regions. (See table C.)

(4) Plastic containers accounted for nearly 80 percent or more of the sales of whole milk, 2% and 1% milk, and skim milk. Conversely, about 74 percent or more of the sales of flavored whole and fat-reduced milk were sold in paper containers. (See table D.)

(5) The market share of fluid milk products sold in gallons increased to 65.9 percent. Conversely, the market share of half-gallon containers dropped to 18.0 percent. About 9.2 percent of total sales were made in half-pint containers—down

from the previous survey. Market shares of other container sizes generally decreased from 1995. (See tables B and C.)

(6) In all regions of the country, more fluid milk products were sold in gallon containers than in all other sizes combined. The market share of gallons ranged from 54.5 percent in the North Atlantic region to 72.1 percent in the East North Central region. The proportion of fluid milk products sold in half-pint containers was significantly larger in the Southeastern, Southwest, and West North Central regions. In the North Atlantic region, quarts accounted for twice the national average. (See table C.)

(7) Gallon containers accounted for much larger proportions of the sales of whole milk, 2% reduced-fat milk, 1% lowfat milk, and skim milk. On the other hand, about 57 percent of the sales of flavored whole milk and more than 77 percent of the sales of flavored fat-reduced milk were made in pint and half-pint containers. These market shares might be expected as the sales of these flavored milk products are made predominantly through schools and other food service outlets. More buttermilk was sold in half-gallon containers than in other sizes. (See table D.)

(8) Sales of fluid milk products in gallon sizes were nearly all in plastic containers while sales in quart or smaller sizes were made predominantly in paper containers. This leads to the conclusion that the importance of a particular size of container in any particular region, or for any particular product, determines the importance of a container type. (See table E.)

For example, in the North Atlantic region, the proportion of fluid milk products sold in paper containers was significantly higher--32.5 percent compared to the national average of 21.2 percent. (See table C.) This occurred because the proportion of fluid milk products sold in this region in half-gallon and quart containers--sizes for which paper is a prominent type--was significantly higher. (See tables C and E.) Similarly, both flavored whole milk and flavored fat-reduced milk had more than 73 percent of their sales in paper containers because over 77 percent of these products were sold in container sizes for which paper is dominant--quart and smaller sizes. (See tables D and E.)

(9) The proportion of fluid milk products sold through wholesale outlets increased slightly. The market share of wholesale in all markets in 1997 was 99.5 percent of total sales; the remaining 0.5 percent was home-delivered. (See table F.)

(10) The most important wholesale outlet continues to be food chain stores, which accounted for more than two-thirds of total fluid milk sales. Regionally, the North Atlantic region showed a significant increase, and the East North Central and Mountain regions showed notable decreases, in the importance of the food chain store category. Food chain stores showed greater variation in the proportions of sales across regions than in earlier surveys, with the largest proportion in the West North Central region and the smallest in the Mountain region.

The market share of supermarket chains increased to 57.6 percent while the market share of dairy/convenience stores at 10.2

percent was unchanged from 1995. There was significant regional variation in the importance of both supermarket and dairy/convenience chains. (See table G.)

(11) The market share of vertically integrated food chain stores totaled 19.7 percent, up from 18.6 percent in 1995. Sales by vertically integrated supermarket chains accounted for 17.6 percent of total sales, while dairy/convenience store chains accounted for 2.1 percent. (See table H.)

(12) Vertical integration of food chains showed significant regional variation. In the Southwest region, nearly 33 percent of total fluid milk sales were made by vertically integrated food chains. There was no vertical integration in the West North Central. Vertically integrated supermarket chains accounted for 29.4 to 32.8 percent of total sales in 4 regions, more than 3 times the market share of these firms in the other two regions. The market share of vertically integrated dairy/convenience chains in the North Atlantic region was 5.3 percent, well above the national average of 2.1 percent. (See table H.)

13) Fluid milk sales through institutional outlets (military and schools) totaled 7.2 percent of total sales, down slightly from 1995. Sales through all other wholesale outlets (nonchain food stores, nonfood stores, restaurants, hospitals, vending machines, etc., combined) accounted for 24.4 percent of total sales, down from 1995. (See table G.)

* Prepared by John M. Wetterau and Mary F. Taylor, dairy products marketing specialists, Market Information Branch, Dairy Programs, Agricultural Marketing Service. FMOS-430 January and February 1999.

1/ Dairy Programs plans to make available, on a limited basis, individual market data. The following report should be requested from John Wetterau: "Packaged Fluid Milk Sales in Federal Milk Order Markets, By Size and Type of Container, and Distribution Method, During November 1997."

TABLE A--PERCENTAGE OF TOTAL FLUID MILK PRODUCTS SOLD BY TYPE OF CONTAINER, BY HANDLERS REGULATED UNDER FEDERAL MILK ORDERS, NOVEMBER OF SELECTED YEARS 1/

Year	Number of markets <u>2/</u>	Glass	Paper	Plastic	Other <u>3/</u>	Total
<u>Total Fluid Milk Products <u>4/</u></u>						
1963	68	32	63	<u>5/</u>	5	100
1964	67	31	64	2	3	100
1965	68	29	65	4	2	100
1966	68	25	67	6	2	100
1967	71	20	71	8	1	100
1969	66	12	76	11	*	100
1971	61	7	78	15	*	100
1973	61	4	71	25	*	100
1975	56	2	67	31	*	100
1977	47	1	58	41	*	100
1979	47	1	49	50	*	100
1981	48	1	42	57	*	100
1983	46	*	38	62	*	100
1985	44	*	34	65	*	100
1987	43	*	33	67	*	100
1989	41	*	31	69	*	100
1991	42	*	28	72	*	100
1993	38	*	25	74	*	100
1995	32	*	24	76	*	100
1997	31	*	21	79	*	100

* Less than one-half of one percent.

1/ Based on total sales including both wholesale and home-delivered.

2/ Number of markets for which complete data were available. See page 71 for the Federal milk order markets included in current survey.

3/ Percentages represent metal cans and plastic bag-in-box containers in 1963; metal cans only, 1967 to date.

4/ Includes plain and flavored whole milk products, plain, fortified, and flavored fat-reduced milk products, buttermilk and miscellaneous whole and fat-reduced milk products.

5/ Data not available.

TABLE B--PERCENTAGE OF TOTAL FLUID MILK PRODUCTS SOLD BY SIZE OF CONTAINER, BY HANDLERS REGULATED UNDER FEDERAL MILK ORDERS, NOVEMBER OF SELECTED YEARS ^{1/}

Year	Number of markets ^{2/}	Gallon	Half- Gallon	Quart	Pint	Half-pint	Over 10 quarts	Other	Total
<u>Total Fluid Milk Products ^{3/}</u>									
1963	68	13	56	15	1	9	5**	1	100
1964	67	16	54	13	1	10	4	2	100
1965	68	17	54	12	1	10	4	2	100
1966	68	18	53	11	1	10	5	2	100
1967	71	19	53	9	1	11	5	2	100
1969	66	23	48	12	1	10	4	2	100
1971	61	29	44	10	1	11	3	2	100
1973	61	37	38	8	1	10	4	2	100
1975	56	43	34	7	1	11	3	1	100
1977	47	49	29	6	1	11	3	1	100
1979	47	53	26	5	1	11	3	1	100
1981	48	57	24	5	1	10	3	*	100
1983	46	58	23	5	1	10	3	*	100
1985	44	60	22	5	2	9	2	*	100
1987	43	60	21	5	2	10	2	*	100
1989	41	61	21	4	2	10	2	*	100
1991	42	64	19	4	1	9	2	*	100
1993	38	64	19	4	2	9	2	*	100
1995	32	64	18	4	2	10	2	*	100
1997	31	66	18	4	2	9	1	*	100

* Less than one-half of one percent.

** Percentage includes "5-10 quart" containers.

^{1/} Based on total sales including both wholesale and home-delivered.

^{2/} Number of markets for which complete data were available. See page 71 for the Federal milk order markets included in current survey.

^{3/} Includes plain and flavored whole milk products, plain, fortified, and flavored fat-reduced milk products, buttermilk and miscellaneous whole and fat-reduced milk products.

TABLE C--PERCENTAGE OF TOTAL FLUID MILK PRODUCTS ^{1/} DISTRIBUTED BY HANDLERS REGULATED UNDER FEDERAL MILK ORDERS, GROUPED BY REGION, BY TYPE AND SIZE OF CONTAINER, NOVEMBER 1997

Region ^{2/}	Total sales of fluid milk products ^{1/}	Type of Container		
		Glass ^{3/}	Paper	Plastic
	<u>Mil. lbs.</u>		<u>Percent of total sales</u>	
North Atlantic	784.7	0.4	32.5	67.1
Southeastern	764.7	0.0	16.1	83.9
East North Central	939.8	0.3	16.1	83.5
West North Central	257.8	R	23.5	76.5
Southwest	380.2	R	17.4	82.6
Mountain	279.4	R	21.7	78.3
Pacific	171.9	0.0	26.0	74.0
Total ^{4/}	3,651.0	0.2	21.2	78.6

Region ^{2/}	Size of Container						
	Gallon	Half-gallon	Quart	Pint	Half-pint	5 and 6 gallon	All other sizes
	<u>Percent of total sales</u>						
North Atlantic	54.5	26.3	7.4	1.8	7.7	1.6	0.6
Southeastern	65.7	17.9	2.2	1.8	11.8	0.5	0.1
East North Central	72.1	13.3	2.8	1.3	8.6	1.2	0.6
West North Central	64.1	19.9	2.1	0.8	9.7	2.6	0.9
Southwest	69.6	15.2	1.9	1.7	10.6	0.9	0.1
Mountain	71.1	13.4	4.0	1.5	7.9	1.9	0.2
Pacific	71.5	16.6	3.4	1.3	5.3	1.7	0.2
Total ^{4/}	65.9	18.0	3.7	1.5	9.2	1.3	0.4

*Less than one-tenth of one percent.

^{1/} Includes plain and flavored whole milk products, plain, fortified, and flavored fat-reduced milk products, buttermilk, and miscellaneous whole and fat-reduced milk products.

^{2/} See page 71 for the Federal milk order markets included in each region.

^{3/} Also includes metal cans.

^{4/} Includes those Federal milk order markets for which all of the data were restricted--pertains to fewer than three processing plants. See page 71.

TABLE D--PERCENTAGE OF INDIVIDUAL FLUID MILK PRODUCTS DISTRIBUTED BY HANDLERS REGULATED UNDER FEDERAL MILK ORDERS, ALL MARKETS COMBINED 1/, BY TYPE AND SIZE OF CONTAINER,

NOVEMBER 1997

Fluid milk product	Total sales in all markets combined	Type of container		
		Glass	Paper	Plastic
	<u>Mil. lbs.</u>	<u>Percent of total sales</u>		
Whole milk	1,167.1	0.1	17.0	82.9
Flavored whole milk	49.3	0.8	73.9	25.3
2% milk	1,181.9	0.1	14.2	85.7
1% milk	398.0	0.3	20.2	79.6
Skim milk	617.1	0.4	17.4	82.3
Flavored fat-reduced milk	187.7	*	81.4	18.5
Buttermilk	50.0	R	62.6	37.4
Total fluid milk products	3,651.0	0.2	21.2	78.6

Fluid milk product	Size of container					
	Gallon	Half-gallon	Quart	Pint	Half-pint	Other
	<u>Percent of total sales</u>					
Whole milk	70.3	17.5	3.8	1.6	5.3	1.1
Flavored whole milk	1.2	18.8	20.2	45.8	11.3	0.9
2% milk	74.2	14.8	2.0	0.3	6.4	1.9
1% milk	68.2	20.1	2.6	0.2	8.1	0.4
Skim milk	68.3	22.7	3.7	0.1	3.8	0.4
Flavored fat-reduced milk	6.8	8.3	5.1	4.5	72.6	0.9
Buttermilk	7.9	61.4	25.4	1.4	2.6	0.3
Total fluid milk products	65.9	18.0	3.7	1.5	9.2	1.3

* Less than one-tenth of one percent.

R = Restricted.

1/ See page 71 for the Federal milk order markets included.

TABLE E--PERCENTAGE OF TOTAL FLUID MILK PRODUCTS 1/ DISTRIBUTED BY HANDLERS REGULATED UNDER FEDERAL MILK ORDERS, ALL MARKETS COMBINED 2/, BY SIZE OF CONTAINER, BY TYPE OF CONTAINER, NOVEMBER 1997

Size of container <u>3/</u>	Total sales of fluid milk products	Type of container		
		Glass	Paper	Plastic
	<u>Mil. lbs.</u>	<u>Percent of total sales</u>		
Gallon	2,407.5	R	*	99.9
Half-gallon	655.6	0.9	41.7	57.4
Quart	133.6	0.6	91.0	8.5
Pint	55.4	0.2	81.1	18.7
Half-pint	335.4	R	96.5	3.5
6-gallon	7.4	0	0	100.0
5-gallon	41.2	R	0	100.0
All other	14.9	0	70.4	29.6
Total of all sizes	3,651.0	0.2	21.2	78.6

* Less than one-tenth of one percent.

R = Restricted, pertains to fewer than three processing plants. Data are included in "All other".

1/ Includes plain and flavored whole milk products, plain, fortified, and flavored fat-reduced milk products, buttermilk, and miscellaneous whole and fat-reduced milk products.

2/ See page 71 for the Federal milk order markets included.

3/ Six-gallon and five-gallon containers under glass represent metal cans, under plastic represent mostly bag-in-box containers.

TABLE F--PERCENTAGE OF FLUID MILK PRODUCTS 1/ DISTRIBUTED BY HANDLERS REGULATED UNDER FEDERAL MILK ORDERS, BY METHODS OF DISTRIBUTION, AND TYPE OF WHOLESALE OUTLET, NOVEMBER OF SELECTED YEARS, 1963 TO 1997

Month/Year	Number of markets <u>2/</u>	Method of Distribution							
		Home-delivery	Total wholesale	Type of wholesale outlet <u>3/</u>					
				Food chain stores <u>4/</u>			Institutional		
				Supermarket	Dairy and convenience	Military	Schools	All other <u>5/</u>	
<u>Percent of total sales</u>									
<u>November</u>									
1963	68	29.7	70.3	---	---	---	---	---	---
1965	68	28.0	72.0	---	---	---	---	---	---
1967	71	23.1	76.9	---	---	---	---	---	---
1969	66	19.0	81.0	---	---	---	---	---	---
1971	61	14.8	85.2	---	---	---	---	---	---
1973	61	10.3	89.7	---	---	---	---	---	---
1975	56	6.9	93.1	---	---	---	---	---	---
1977	47	5.3	94.7	42.9	10.0	1.7 <u>6/</u>	7.7 <u>6/</u>	32.8	
1979	47	3.8	96.2	46.2	10.7	1.5	7.6	30.2	
1981	48	2.3	97.7	49.7	9.8	1.4	6.8	29.9	
1983	46	1.8	98.2	50.2	9.8	1.4	6.7	30.1	
1985	44	1.5	98.5	52.6	9.4	1.2	6.8	28.5	
1987	43	1.2	98.8	51.2	10.6	1.4	7.1	28.5	
1989	41	1.0	99.0	53.8	10.4	1.0	6.7	27.1	
1991	42	1.0	99.0	55.2	10.4	1.0	6.7	25.8	
1993	38	1.0	99.0	57.3	10.7	1.1	6.6	23.4	
1995	32	0.7	99.3	56.5	10.2	1.0	6.5	25.1	
1997	31	0.5	99.5	57.6	10.2	0.9	6.3	24.4	

1/ Includes plain and flavored whole milk products, plain, fortified, and flavored fat-reduced milk products, buttermilk, and miscellaneous whole and fat-reduced milk products.

2/ Number of markets for which complete data were available. See page 71 for the Federal milk order markets included in current survey.

3/ This breakdown was not available prior to 1977. Percentages may not add to total wholesale due to rounding.

4/ Generally, 11 or more stores (supermarkets, dairy and convenience) nationwide, primarily engaged in food retailing and either under common management, being franchised by a common company, or belonging to a common purchasing association.

5/ Nonchain food stores, nonfood stores (drug stores, gasoline stations, etc.), restaurants, hotels, hospitals, nursing homes, vending machines, and any other type of wholesale outlet.

6/ Does not include data for the New York-New Jersey marketing area for which these data were not available.

TABLE G--PERCENTAGE OF FLUID MILK PRODUCTS ^{1/} DISTRIBUTED BY HANDLERS REGULATED UNDER FEDERAL MILK ORDERS, GROUPED BY REGION, BY METHOD OF DISTRIBUTION, AND TYPE OF WHOLESALE OUTLET, NOVEMBER 1997

Region 2/	Total sales of fluid milk products 1/	Method of distribution									
		Home- delivery	Total wholesale	Type of wholesale outlet 3/						All other 5/	
				Food chain stores 4/			Institutional				
				Total	Supermarkets	Dairy and convenience	Total	Military	Schools		
		<u>Percent of total sales</u>									
	<u>Mil. lbs</u>										
North Atlantic	784.7	0.4	99.6	72.0	57.4	14.5	5.4	0.5	4.9	22.1	
Southeastern	764.7	0.5	99.5	69.2	60.4	8.8	9.8	1.5	8.2	20.6	
East North Central	939.8	0.4	99.6	62.1	51.2	10.9	6.7	0.3	6.4	30.8	
West North Central	257.8	1.0	99.0	72.7	63.3	9.4	7.1	0.4	6.7	19.3	
Southwest	380.2	R	100.0	69.8	60.8	9.0	8.3	1.1	7.2	21.9	
Mountain	279.4	2.1	97.9	64.9	59.6	5.2	6.3	1.7	4.6	26.7	
Pacific	171.9	0.4	99.6	68.0	63.0	5.0	5.5	1.5	4.1	26.1	
All region total 6/	3,651.0	0.5	99.5	67.8	57.6	10.2	7.2	0.9	6.3	24.4	

R = Restricted, represents data for fewer than three handlers. "Home-delivery" data are included in "all-other wholesale." "All region totals" include restricted data.

2/ Includes plain and flavored whole milk products, plain, fortified, and flavored fat-reduced milk products, buttermilk, and miscellaneous whole and fat-reduced milk products. See page 71 for Federal milk order marketing areas included in each region.

33/ Percentages may not add to total wholesale due to rounding.

4/ Generally, 11 or more stores (supermarkets, dairy and convenience) nationwide, primarily engaged in food retailing and either under common management, being franchised by a common company, or belonging to a common purchasing association.

by a common company, or belonging to a common purchasing association.

6/ Includes those Federal milk order markets for which all the data were restricted. See page 71.

TABLE H--PERCENTAGE OF FLUID MILK PRODUCTS ^{1/} DISTRIBUTED BY HANDLERS REGULATED UNDER FEDERAL MILK ORDERS, GROUPED BY REGION, BY TYPE OF CHAIN STORE, NOVEMBER 1997

Region <u>3/</u>	Type of food chain store <u>2/</u>					
	Total food chain stores	Supermarket		Dairy/convenience		Total vertically integrated <u>4/</u>
		Vertically integrated <u>4/</u>	Other	Vertically integrated <u>4/</u>	Other	
	<u>Percent of total sales</u>					
North Atlantic	72.0	9.5	47.9	5.3	9.2	14.8
Southeastern	69.2	29.4	31.0	1.2	7.5	30.6
East North Central	62.1	8.8	42.3	1.5	9.4	10.4
West North Central	72.7	0	63.3	0	9.4	0
Southwest	69.8	32.8	27.9	R	9.0	32.8
Mountain	64.9	29.4	30.2	R	5.2	29.4
Pacific	68.0	31.4	31.5	0	5.0	31.4
All Region Total	67.8	17.6	40.0	2.1	8.1	19.7

R = Restricted. Represents data for fewer than three handlers. Data are included in "other." "All Region Totals" include restricted data.

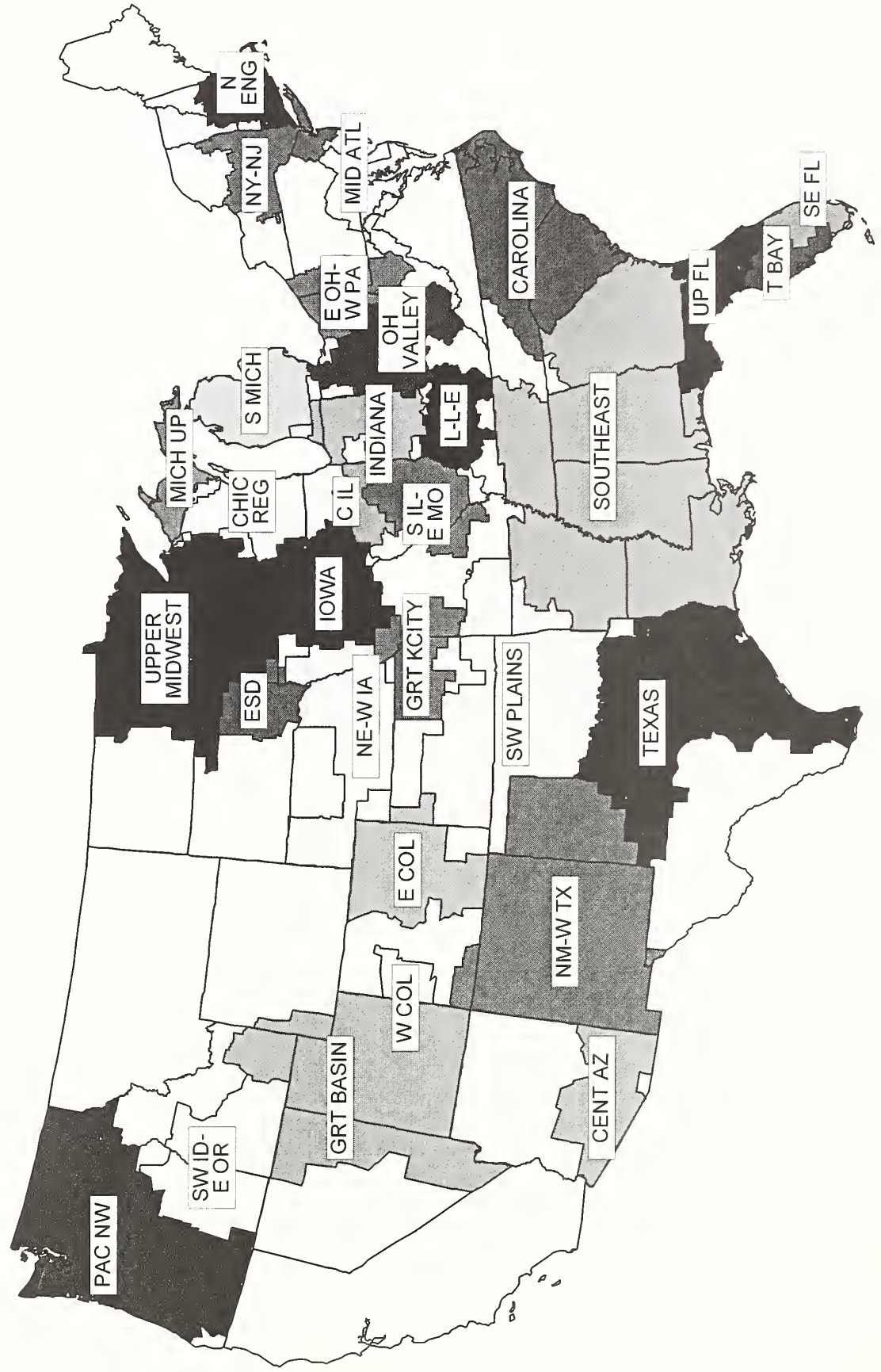
^{1/} Includes plain and flavored whole milk products, plain, fortified, and flavored fat-reduced milk products, buttermilk, and miscellaneous whole and fat-reduced milk products.

^{2/} Generally, 11 or more stores nationwide, primarily engaged in food retailing and either under common management, being franchised by a common company, or belonging to a common purchasing association.

^{3/} The Federal milk order marketing areas included in each region are: NORTH ATLANTIC (New England, New York-New Jersey, Middle Atlantic), SOUTHEASTERN (Carolina, Southeast, Tampa Bay, Southeastern Florida), EAST NORTH CENTRAL (Michigan Upper Peninsula, Southern Michigan, E. Ohio-W.Pa., Ohio Valley, Indiana, Chicago Regional, Southern Illinois-Eastern Missouri, Louisville-Lexington-Evansville), WEST NORTH CENTRAL (Upper Midwest, Iowa, Nebraska-Western Iowa), SOUTHWEST (Southwest Plains, Texas), MOUNTAIN (Eastern Colorado, SW. Idaho-E. Oregon, Great Basin, Central Arizona, New Mexico-West Texas), and PACIFIC (Pacific Northwest). The data for the following marketing areas are restricted (represents fewer than three handlers): Central Illinois, Eastern South Dakota, Greater Kansas City, Upper Florida, and Western Colorado. The data for these marketing areas are included in the "All Region Total".

^{4/} Chain stores which have integrated backward into fluid milk processing, or fluid milk processing organizations which have integrated forward into chain store ownership.

Marketing Areas Under Federal Milk Orders, October 1, 1997



Summary of Federal Milk Order Actions, January 1999

There were no final actions effective during this period.

Summary of Federal Milk Order Actions, February 1999

Suspension:

Nebraska-Western Iowa - February 1 (64 FR 4957, 2/2/99). This action suspends 11 counties from the marketing area definition of this order beginning on February 1, 1999, and extending for an indefinite period until the implementation of a final rule consolidating Federal milk orders or an action to subsequently terminate the suspension.

**United States
Department of
Agriculture**

Marketing and Regulatory Programs

**Agricultural Marketing Service
Dairy Programs
Market Information Branch Rm 2764
P.O. Box 96456
Washington, DC 20090-6456**



**Official Business
Penalty for Private Use \$300**